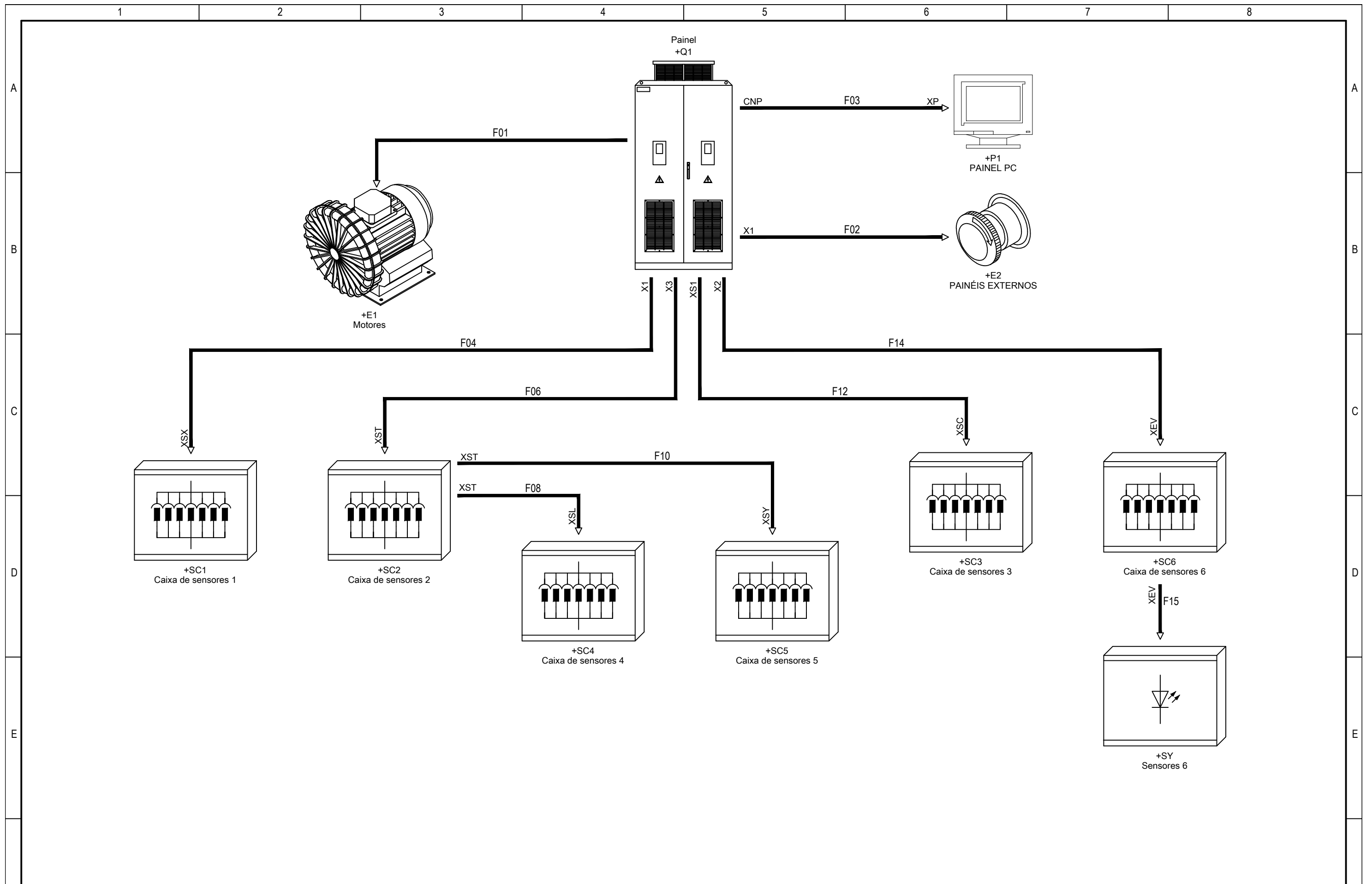


Folha	Título
1	
2	Esquema de locais
3	Fonte de alimentação
4	Motores
5	Movimentação do eixo x
6	Movimentação do eixo Y
7	Fita
8	Emergência
9	PC
10	Entradas 1
11	Entradas 1
12	Entradas 1
13	Entradas 1
14	Entradas 2
15	Entradas 2
16	Entradas 2
17	Entradas 2
18	Entradas 3
19	Entradas 3
20	Entradas 3
21	Entradas 3
22	Saídas 1
23	Saídas 1
24	Saídas 1
25	Saídas 2
26	Saídas 2
27	Saídas 2
28	Placa de E/S
29	Módulo de eixo X
30	Módulo de eixo Y
31	Legenda de símbolos
32	Legenda de símbolos
33	Lista de símbolo
34	Tabelas de referência cruzada
35	Resumo de fio
36	Resumo conectores
37	Layout de painel
38	Painéis de layout
39	Painéis de layout
40	Quadro terminal

Folha	Título
41	Electroválvula conector
42	Quadro de sensores Terminal
43	Empurre o bloco de terminais
44	Motor borneiras
45	Terminal do sensor
46	Sensores de equi-eixo
47	Caixa de sensor placa Terminal
48	Electroválvula conector
49	Tabela
50	Tabela
51	Barra de bornes
52	Barra de bornes
54	Tabela de cabos
55	Tabela de cabos
56	Tabela de cabos
57	Tabela de cabos
58	Tabela de cabos
59	Lista de cabos
60	Lista de cabos
61	Diagrama de detalhe cabo W14
62	Loop
63	Lista de materiais
64	Lista de materiais
65	Lista de materiais
66	Estrutura de testes térmica

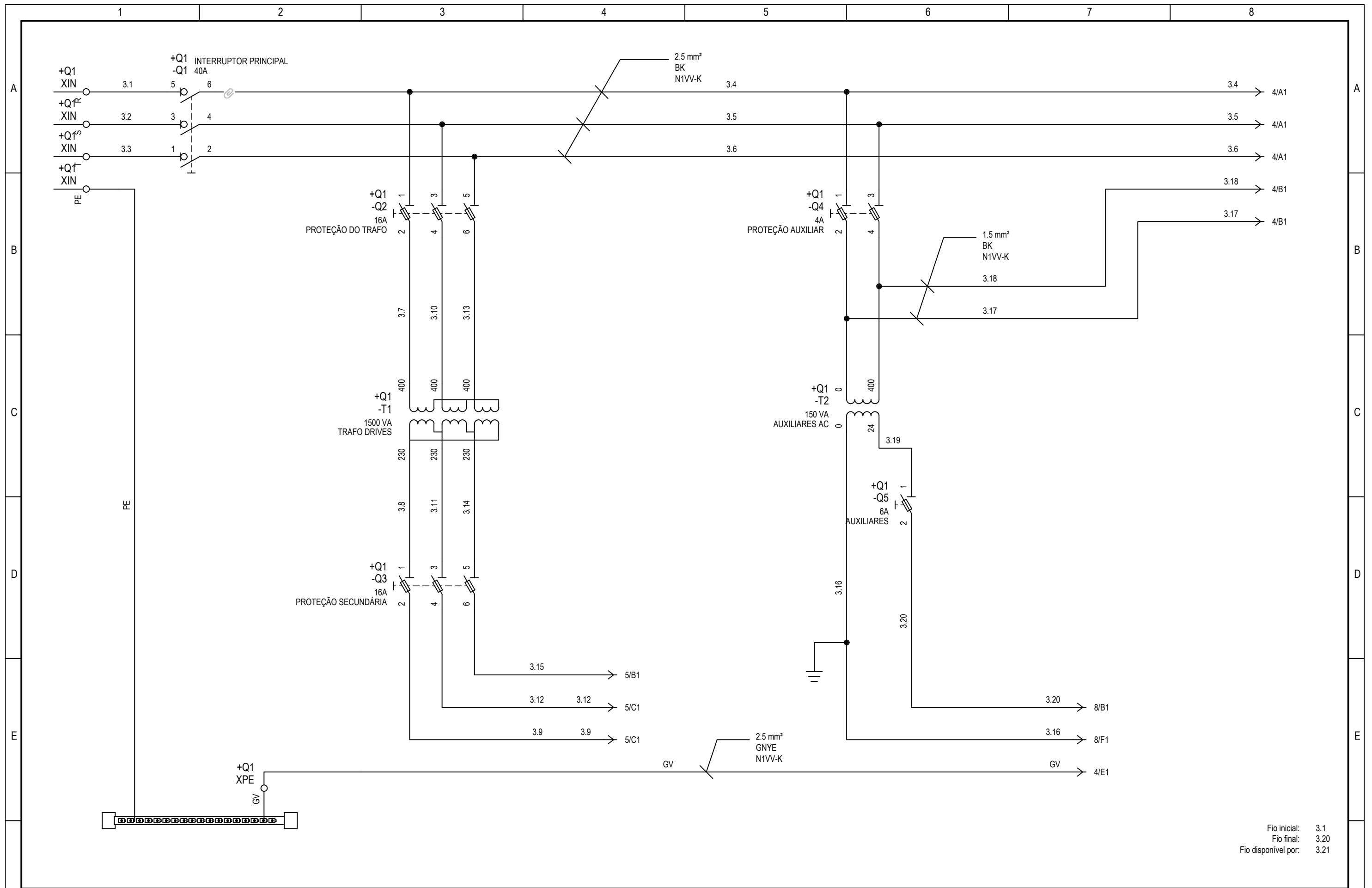
Revisão	Folha	Objeto	Data	Responsabile
1	2	Locais de esquema adicionado	16/01/2015	Silva
1	8	Editar o dispositivo de emergência	21/01/2015	Silva
1	12	Interruptor de pressão do óleo de mudança	31/01/2015	Silva
1	28	Sensores de eixo de mudança	31/01/2015	Silva
1	61	Diagrama de cabo detalhe adicionado W14	16/02/2015	Silva
1	62	Loop adicionado diagrama sensores de interruptor de limite	03/02/2015	Silva

PROJETO	TENSÃO OPERACIONAL	400 V 50 Hz	NORMAS	CEI 17-13	PROTEÇÃO	IP55	
SÉRIE	001	TENSÃO COMANDOS	24 V	=Q1			
PEDIDO	Estação de corte	TENSÃO SINAIS					
CLIENTE	Martins						
				<b>ELECTRO GRAPHICS Srl</b>			
		DATA	ASSINATURAS	Diagrama elétrico			
		DESEN.	10/01/2015				
		VISTO					
		APPR.					
				EG002			
REV.	REVISÃO	DATA	ASS.	SUBST. POR:	SUBST:	ORIGEM	
					FOLHA	1	
					T.F.	66	



1	Locais de esquema adicionado	16/01/2015	Silva	DATA	10/10/2017	Martins	Electro Graphics Srl SAN MARTINO DI LUPARI (PD)	Esquema de locais	Estação de corte	
				DESEN					EG002	
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:	EG002.DWG	FOLHA 2 DE 66 SEGUINTE 3
1		2		3		4		5	6	7
										8

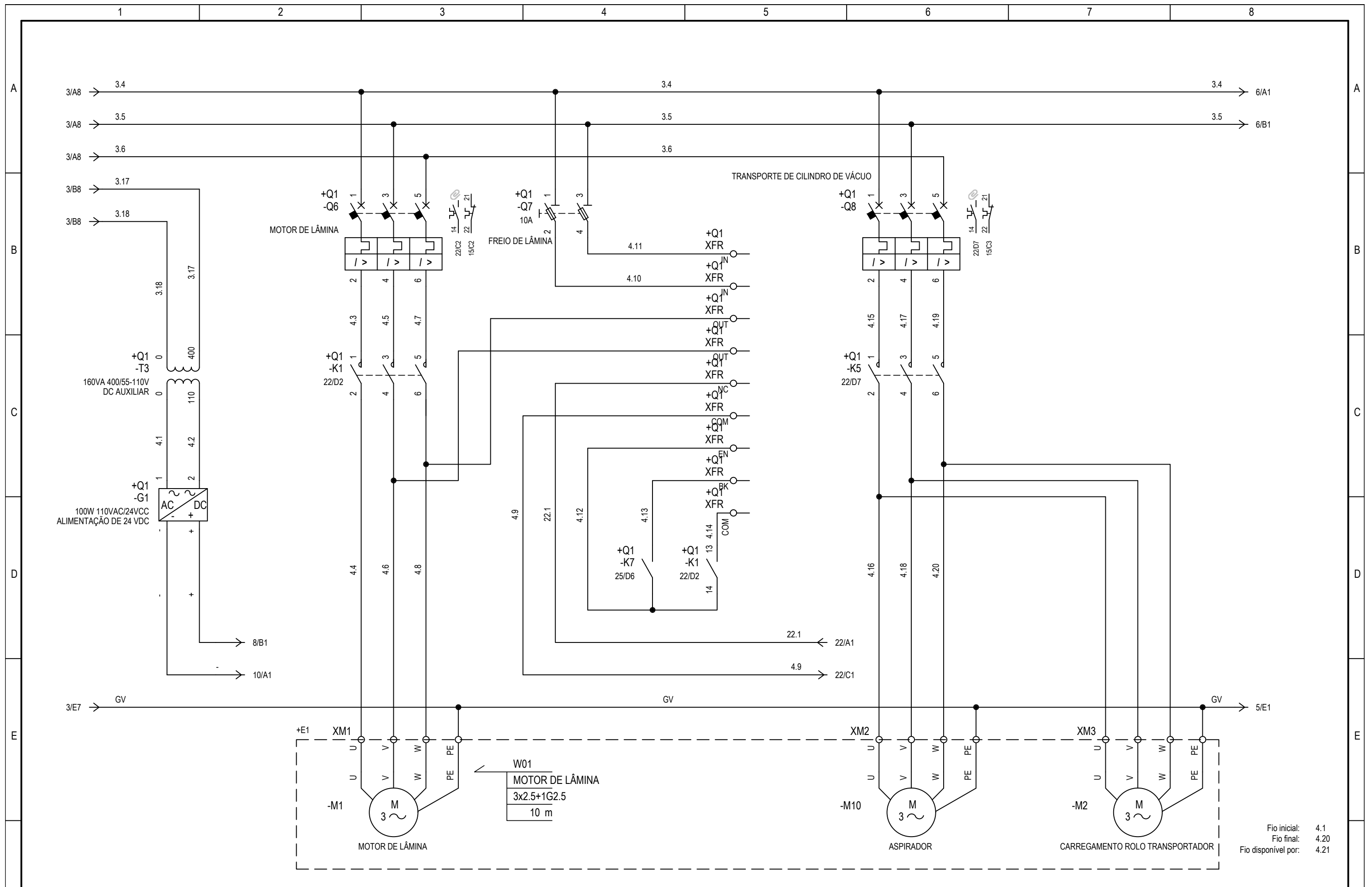
IDEA R. 2018



Fio inicial: 3.1  
 Fio final: 3.20  
 Fio disponível por: 3.21

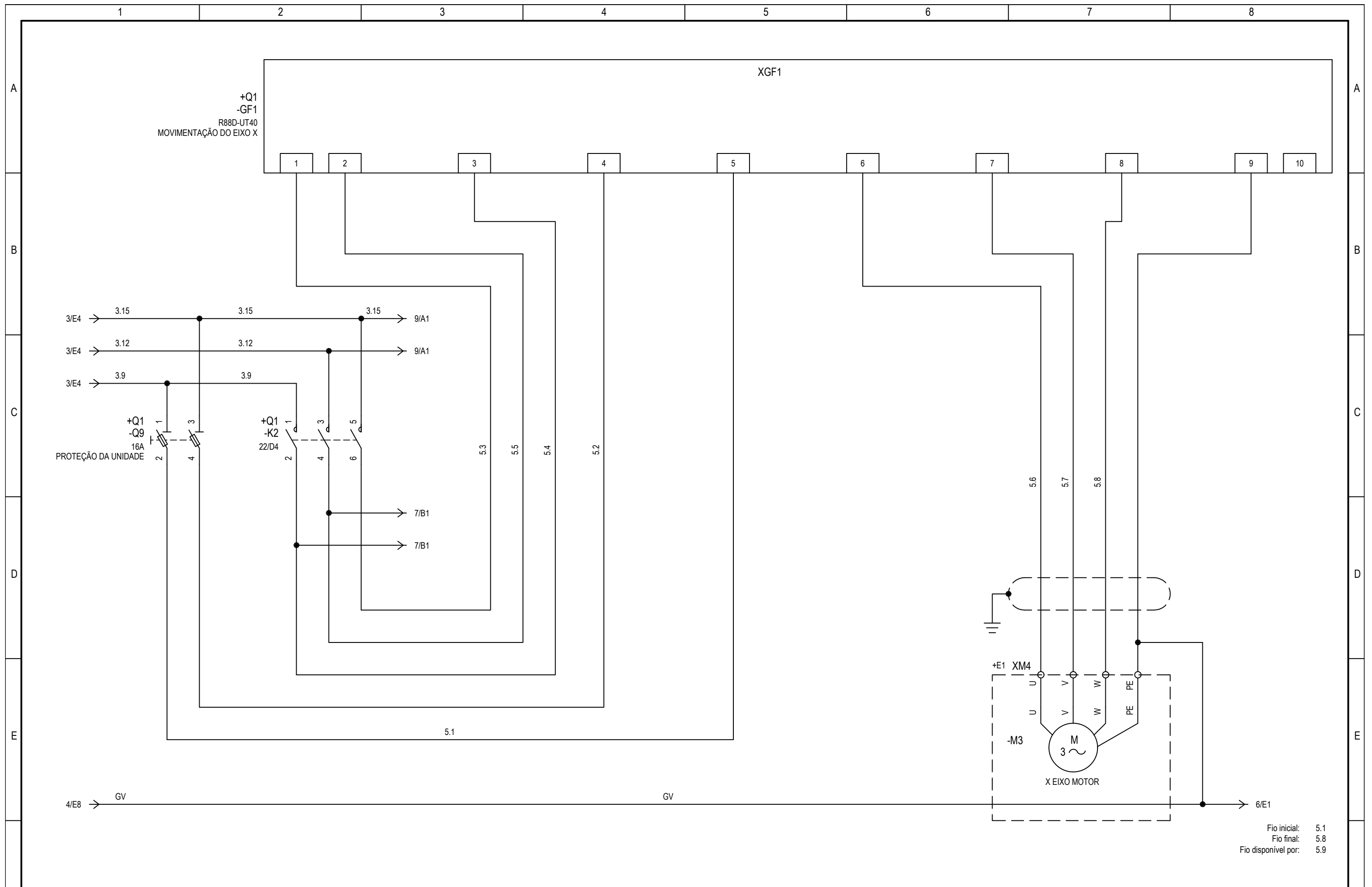
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	Fonte de alimentação	Estação de corte	FOLHA 3 DE 66
									EG002	SEGUINTE 4
									EG002.DWG	

IDEA R. 2018



		DATA	10/10/2017	Martins		Electro Graphics Srl	Motores	Estação de corte	
		DESEN				SAN MARTINO DI LUPARI (PD)			
		VISA							
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	EG002	EG002.DWG
1		2		3		4	5	6	FOLHA 4 DE 66
									SEGUINTE 5

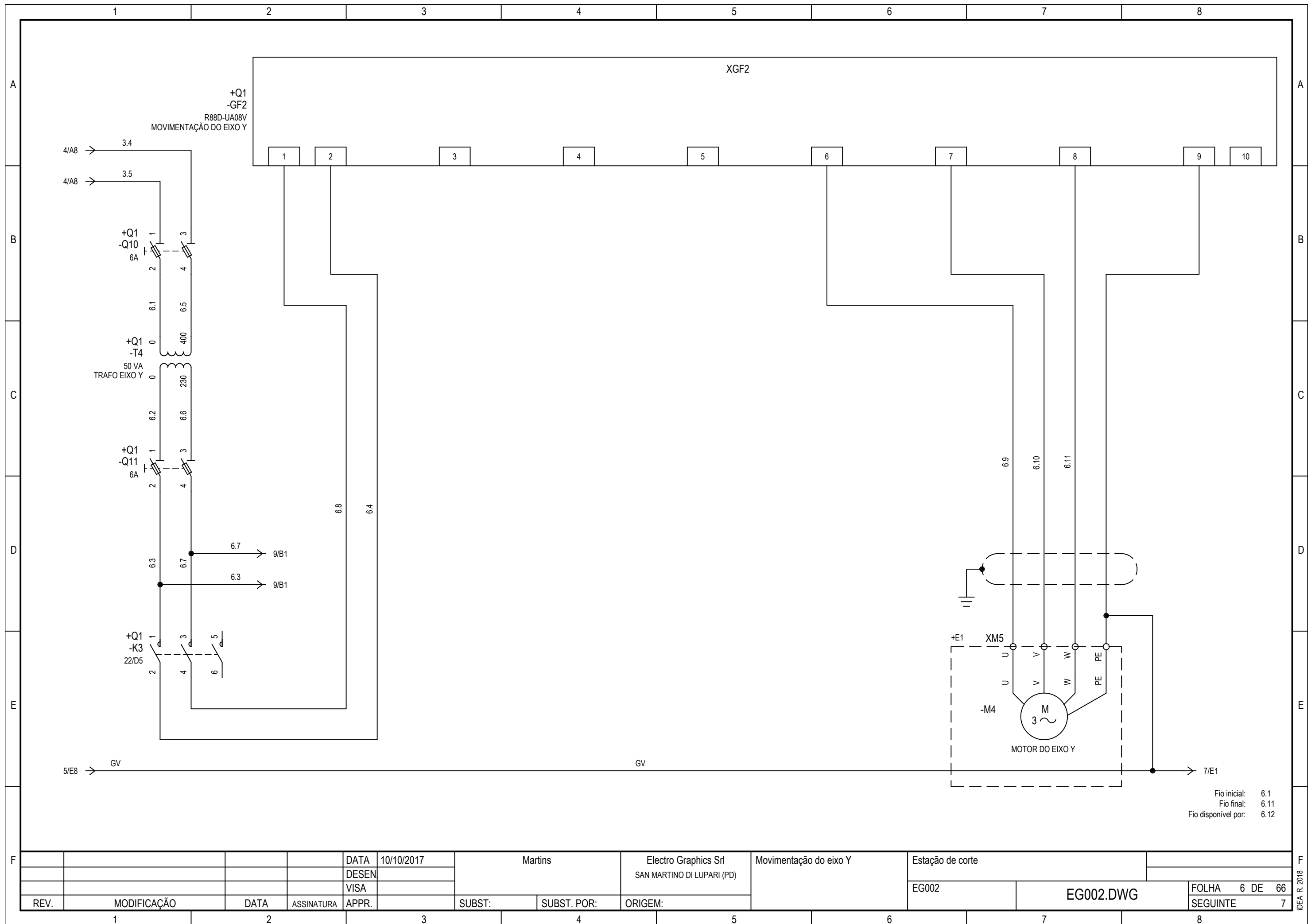
IDEA R. 2018



Fio inicial: 5.1  
 Fio final: 5.8  
 Fio disponível por: 5.9

				DATA	10/10/2017	Martins		Electro Graphics Srl SAN MARTINO DI LUPARI (PD)		Movimentação do eixo x		Estação de corte			
				DESEN								EG002		EG002.DWG	
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:					FOLHA	5 DE	66
1		2			3				5	6	7	8	SEGUINTE		6

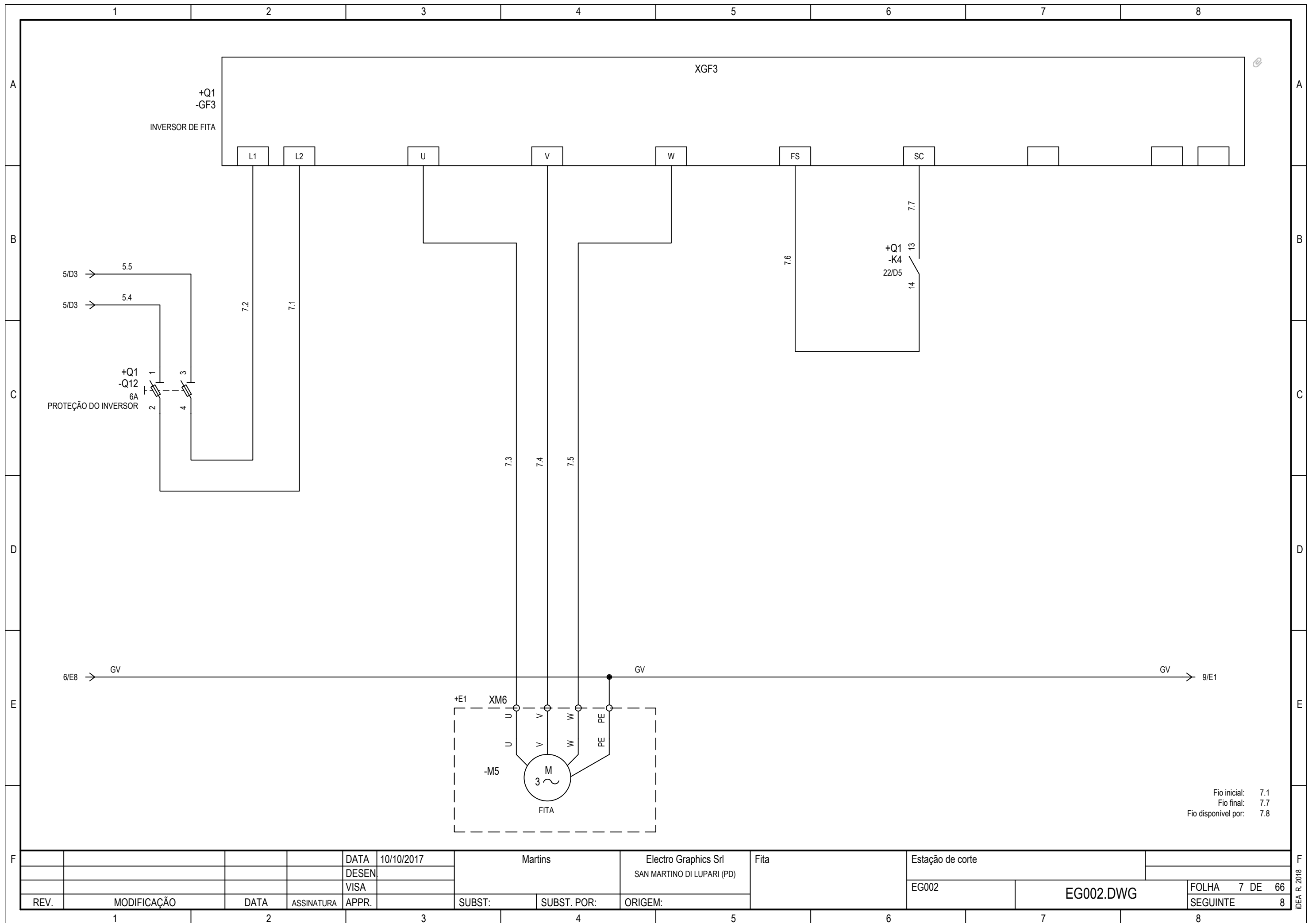
IDEA R. 2018



Fio inicial: 6.1  
 Fio final: 6.11  
 Fio disponível por: 6.12

REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	EG002	EG002.DWG	FOLHA 6 DE 66	SEGUINTE 7
1		10/10/2017									

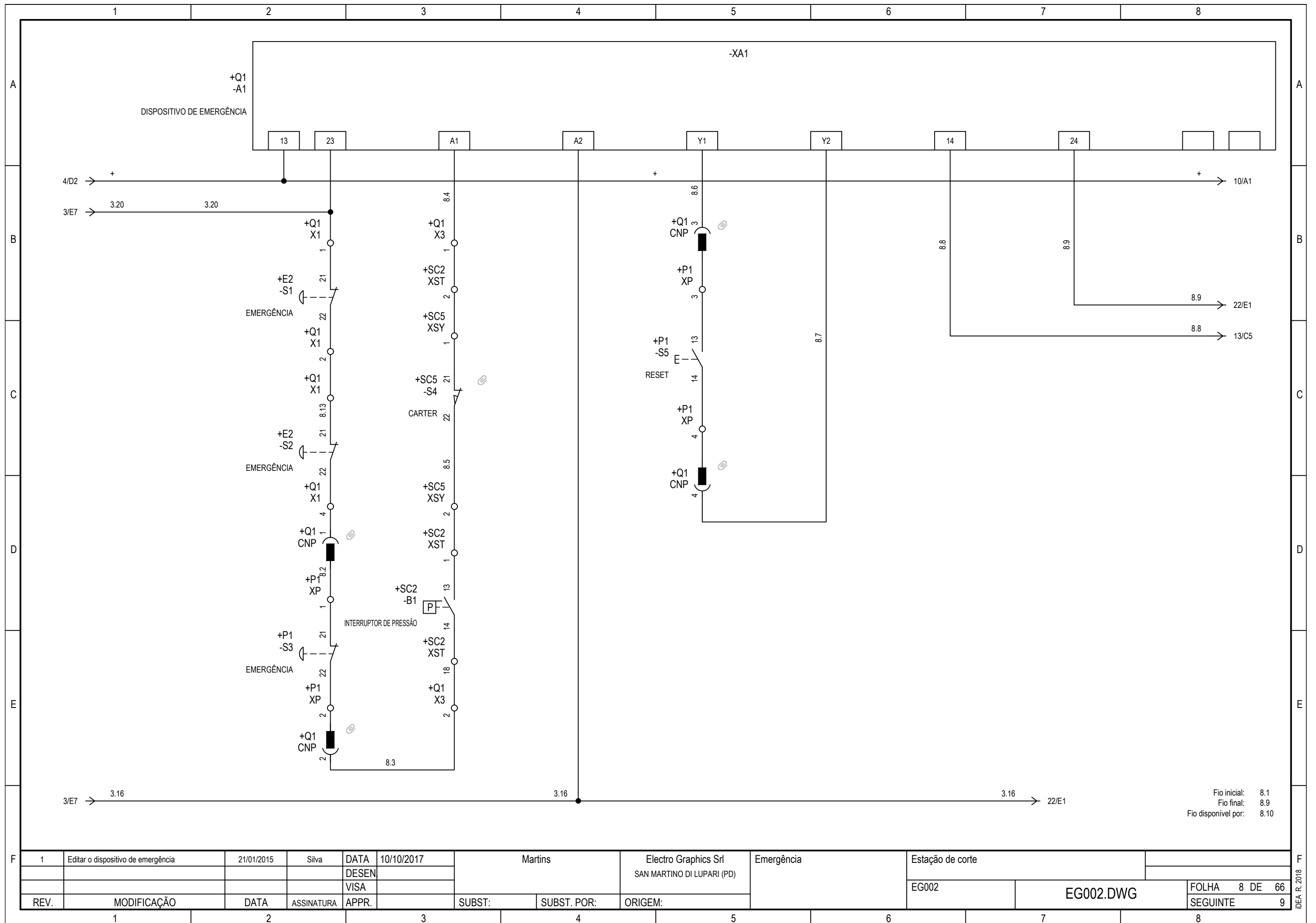
IDEA R. 2018



Fio inicial: 7.1  
 Fio final: 7.7  
 Fio disponível por: 7.8

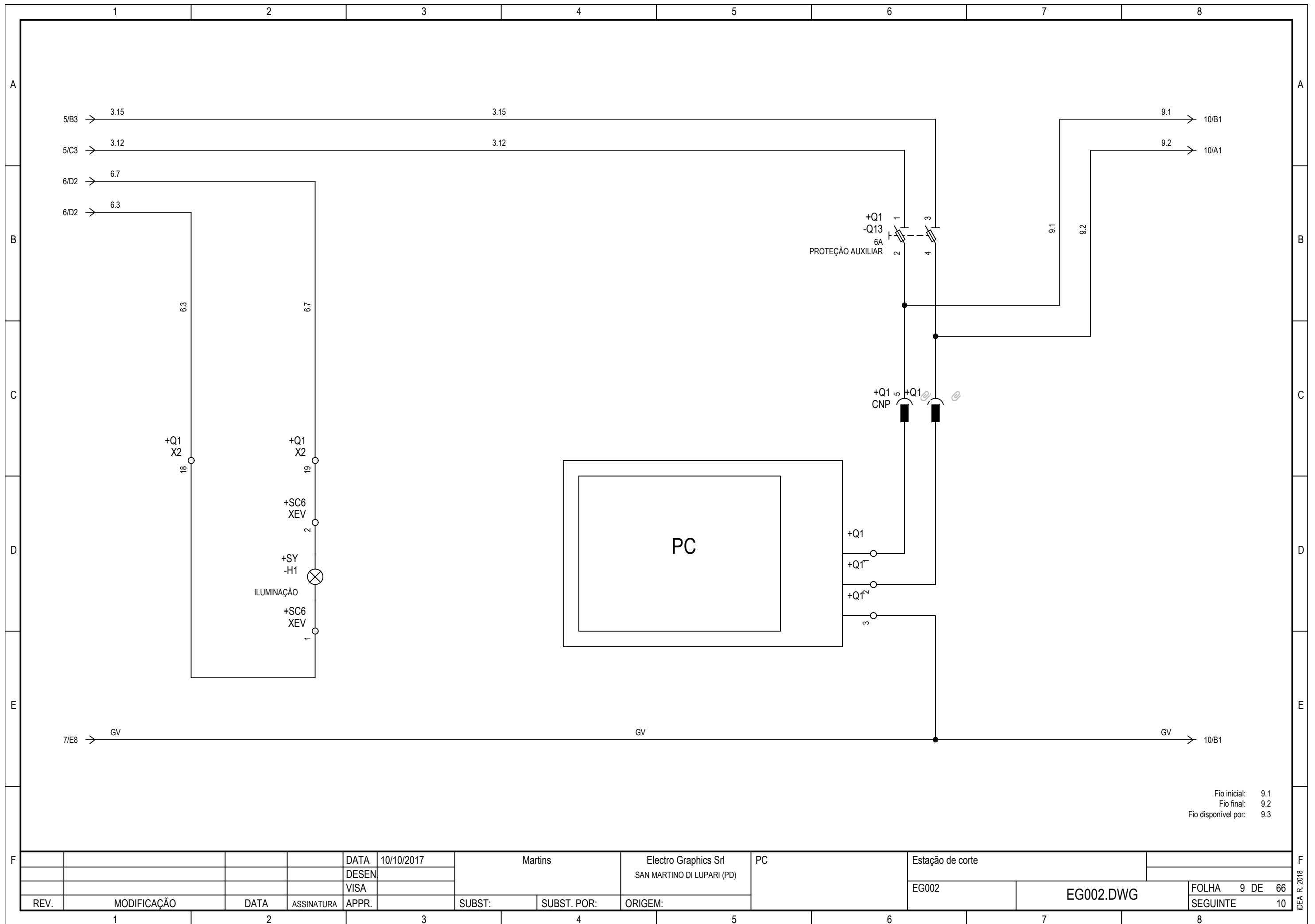
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	EG002	EG002.DWG	FOLHA 7 DE 66	SEGUINTE 8

IDEA R. 2018



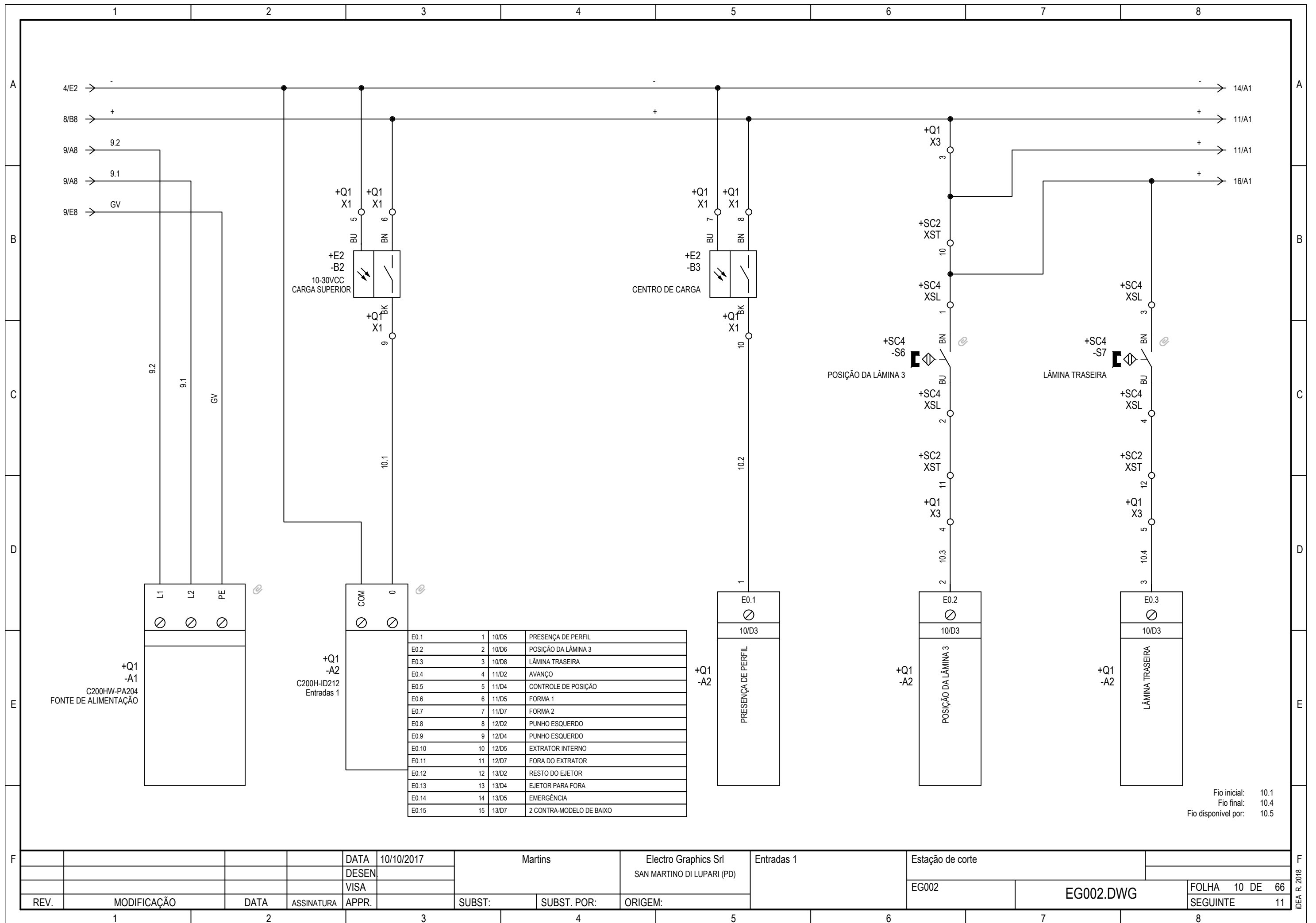
Fio inicial: 8.1  
 Fio final: 8.9  
 Fio disponível por: 8.10





REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	EG002	EG002.DWG	FOLHA 9 DE 66	SEGUINTE 10
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IDEA R. 2018

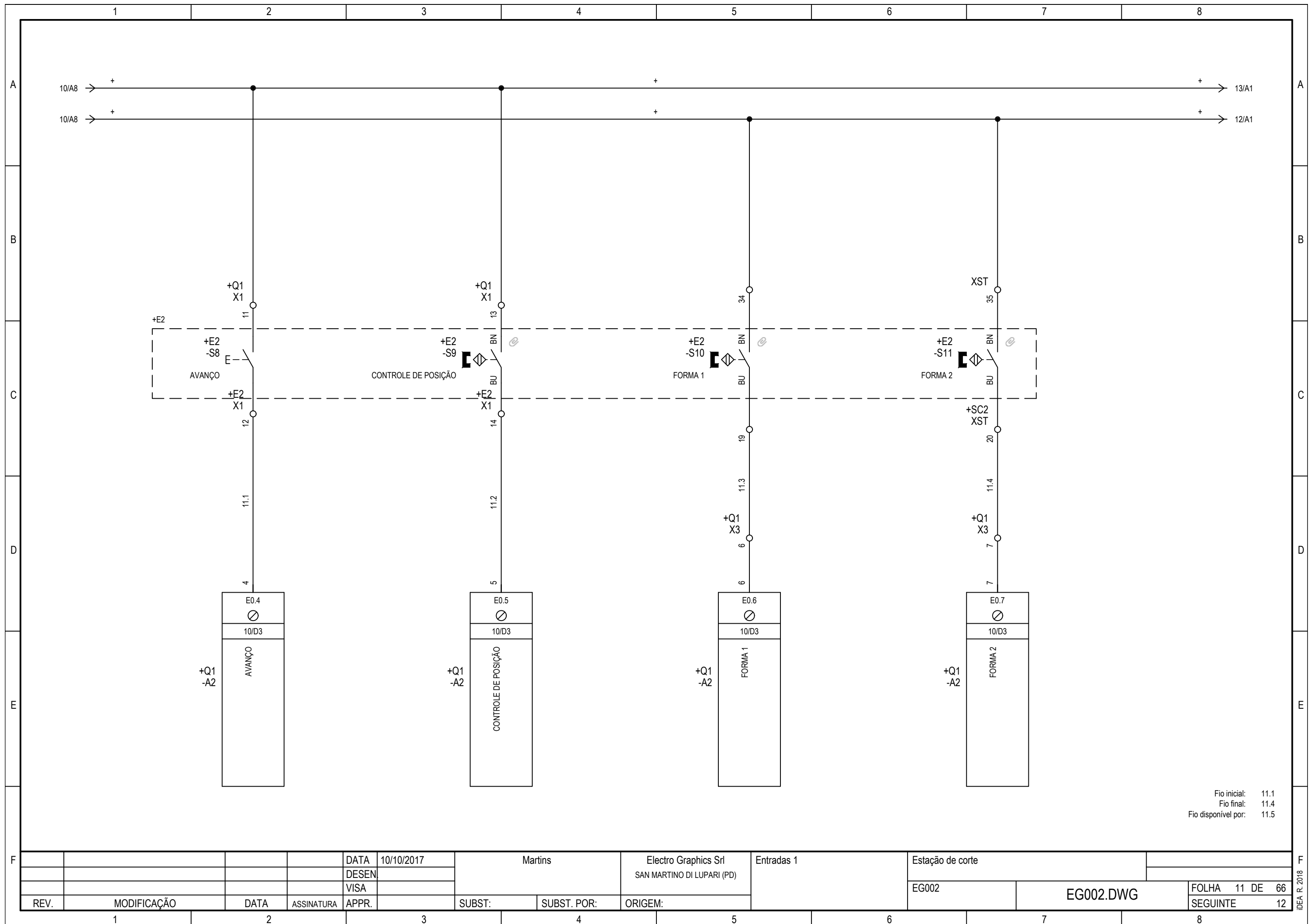


E0.1	1	10/D5	PRESENCIA DE PERFIL
E0.2	2	10/D6	POSIÇÃO DA LÂMINA 3
E0.3	3	10/D8	LÂMINA TRASEIRA
E0.4	4	11/D2	AVANÇO
E0.5	5	11/D4	CONTROLE DE POSIÇÃO
E0.6	6	11/D5	FORMA 1
E0.7	7	11/D7	FORMA 2
E0.8	8	12/D2	PUNHO ESQUERDO
E0.9	9	12/D4	PUNHO ESQUERDO
E0.10	10	12/D5	EXTRATOR INTERNO
E0.11	11	12/D7	FORA DO EXTRATOR
E0.12	12	13/D2	RESTO DO EJETOR
E0.13	13	13/D4	EJETOR PARA FORA
E0.14	14	13/D5	EMERGÊNCIA
E0.15	15	13/D7	2 CONTRA-MODELO DE BAIXO

Fio inicial: 10.1  
 Fio final: 10.4  
 Fio disponível por: 10.5

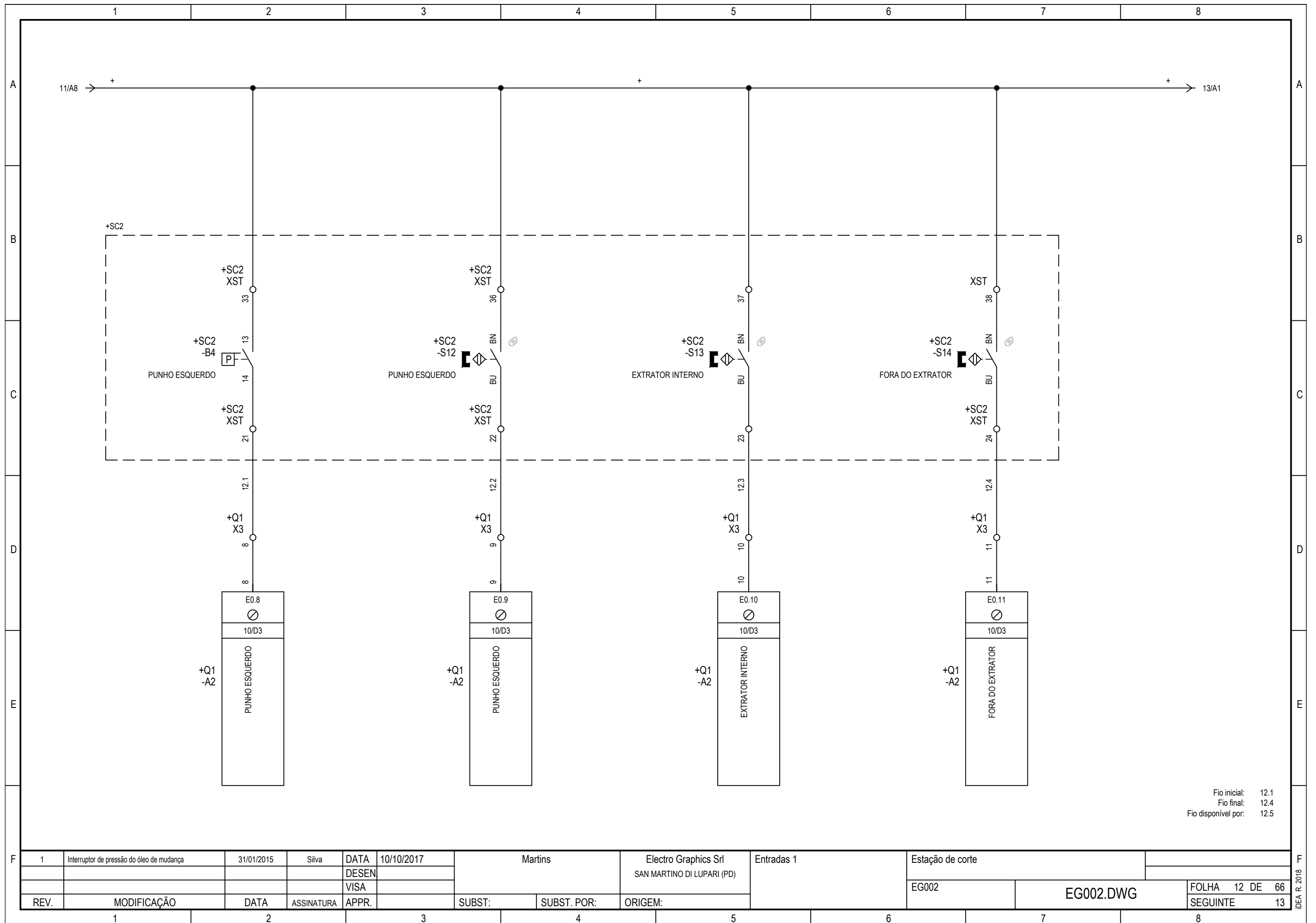
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	3	SUBST:	SUBST. POR:	ORIGEM:	5	Entradas 1	Estação de corte	EG002	EG002.DWG	FOLHA 10 DE 66	SEGUINTE 11
		10/10/2017													

IDEA R. 2018



Fio inicial: 11.1  
 Fio final: 11.4  
 Fio disponível por: 11.5

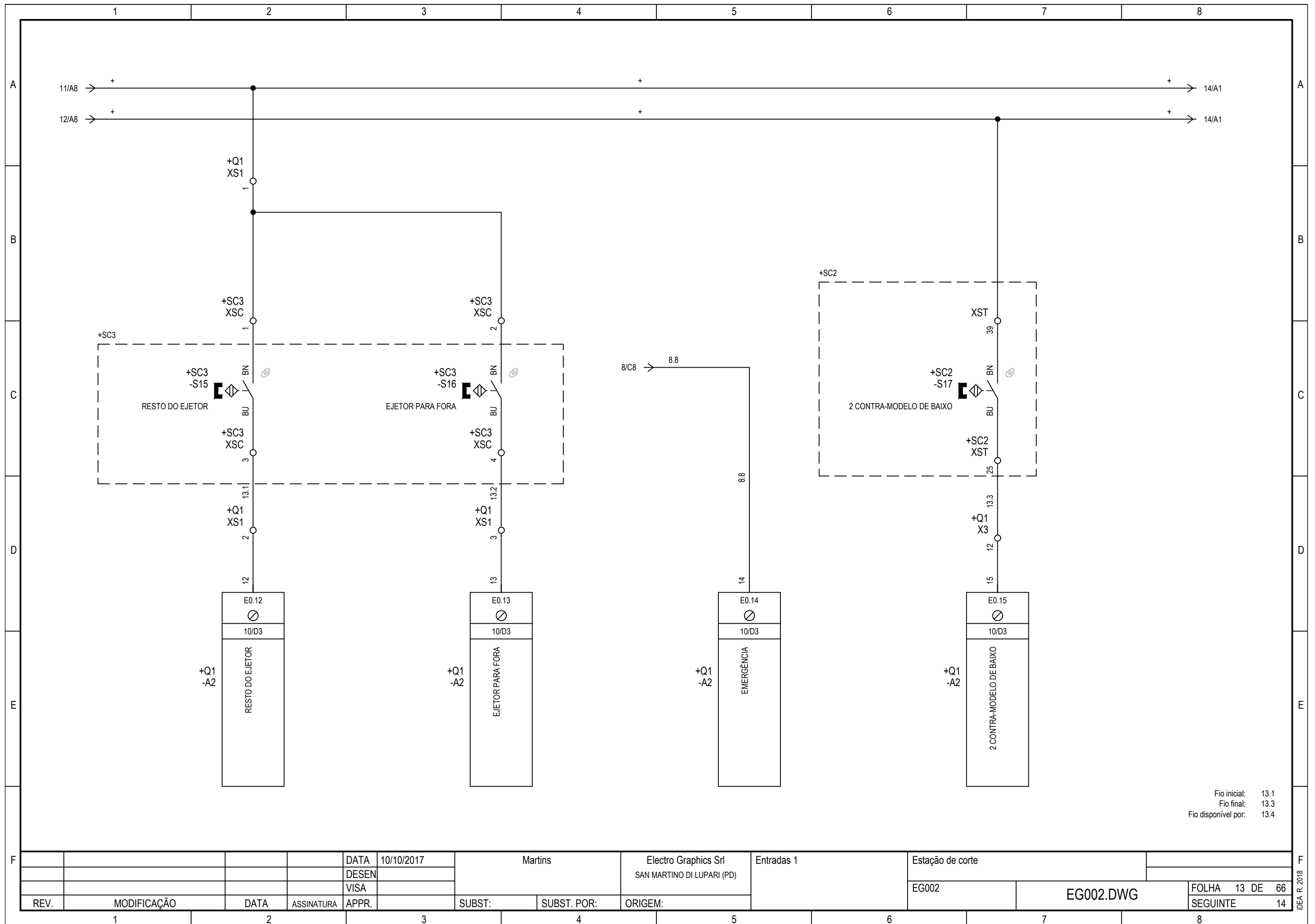
IDEA R. 2018



Fio inicial: 12.1  
 Fio final: 12.4  
 Fio disponível por: 12.5

1	Interruptor de pressão do óleo de mudança	31/01/2015	Silva	DATA	10/10/2017	Martins		Electro Graphics Srl	Entradas 1	Estação de corte		
				DESEN				SAN MARTINO DI LUPARI (PD)				
				VISA								
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:		EG002	EG002.DWG	FOLHA 12 DE 66
1		2			3			5	6	7		SEGUINTE 13

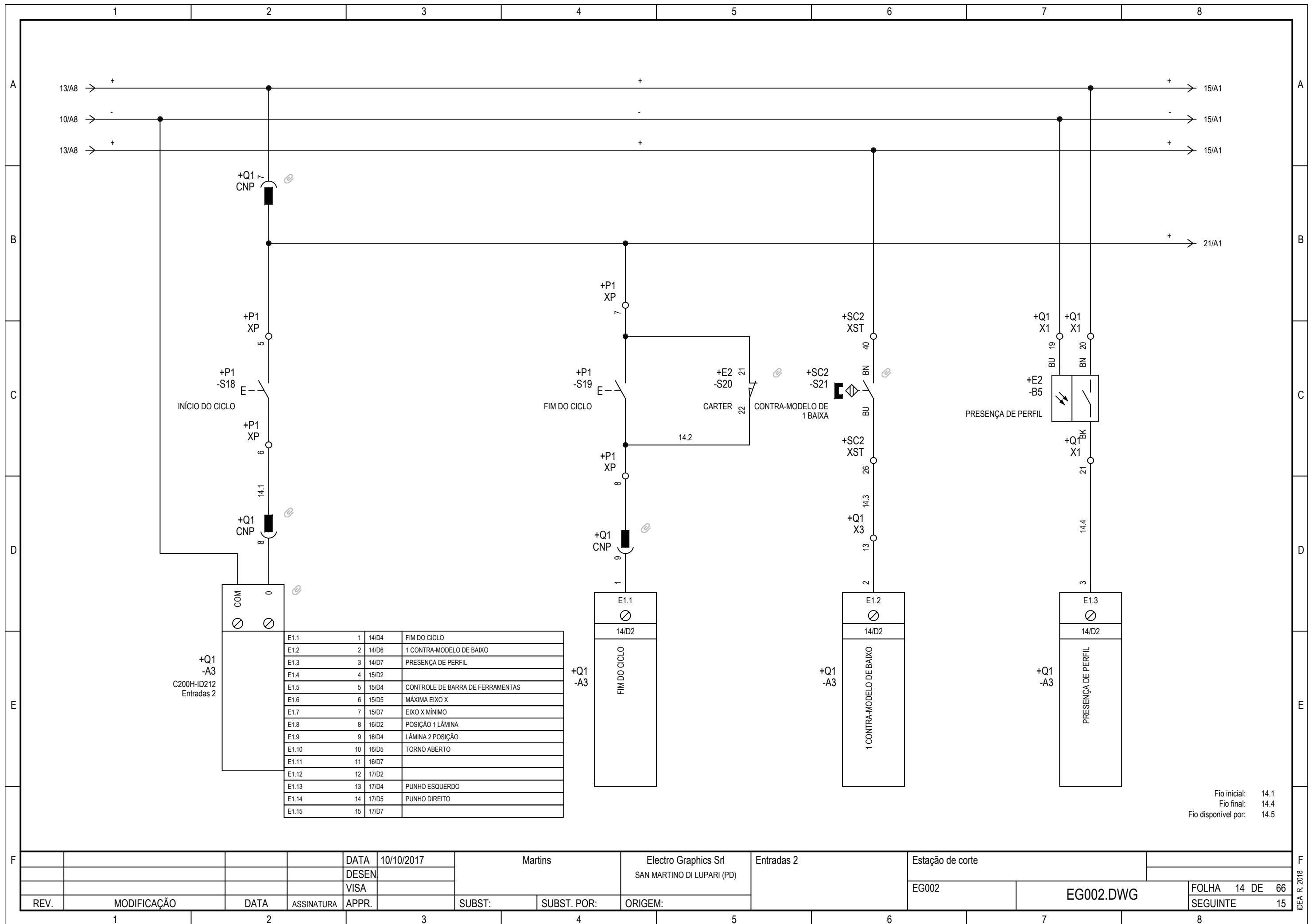
IDEA R. 2018



Fio inicial: 13.1  
 Fio final: 13.3  
 Fio disponível por: 13.4

DATA	10/10/2017	Martins		Electro Graphics Srl	Entradas 1	Estação de corte	
DESEN				SAN MARTINO DI LUPARI (PD)			
VISA						EG002	EG002.DWG
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:
1		2			3	4	5
						FOLHA 13 DE 66	
						SEGUINTE 14	

IDEA R. 2018



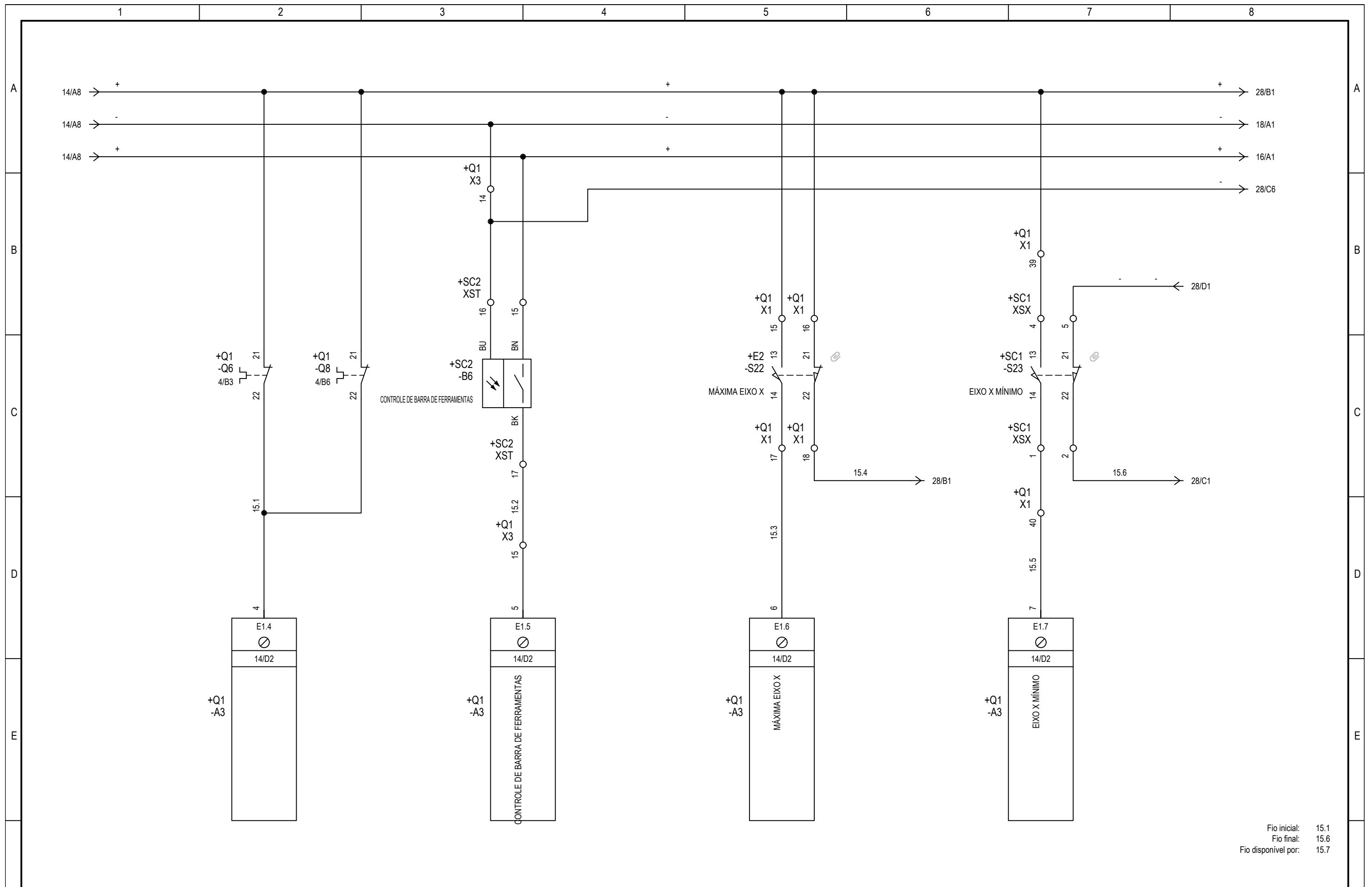
+Q1  
-A3  
C200H-ID212  
Entradas 2

E1.1	1	14/D4	FIM DO CICLO
E1.2	2	14/D6	1 CONTRA-MODELO DE BAIXO
E1.3	3	14/D7	PRESEÇA DE PERFIL
E1.4	4	15/D2	
E1.5	5	15/D4	CONTROLE DE BARRA DE FERRAMENTAS
E1.6	6	15/D5	MÁXIMA EIXO X
E1.7	7	15/D7	EIXO X MÍNIMO
E1.8	8	16/D2	POSIÇÃO 1 LÂMINA
E1.9	9	16/D4	LÂMINA 2 POSIÇÃO
E1.10	10	16/D5	TORNO ABERTO
E1.11	11	16/D7	
E1.12	12	17/D2	
E1.13	13	17/D4	PUNHO ESQUERDO
E1.14	14	17/D5	PUNHO DIREITO
E1.15	15	17/D7	

Fio inicial: 14.1  
Fio final: 14.4  
Fio disponível por: 14.5

DATA	10/10/2017	Martins	Electro Graphics Srl	Entradas 2	Estação de corte	
DESEN			SAN MARTINO DI LUPARI (PD)		EG002	
VISA					EG002.DWG	FOLHA 14 DE 66
REV.	MODIFICAÇÃO	DATA	ASSINATURA	ORIGEM:		SEGUINTE 15

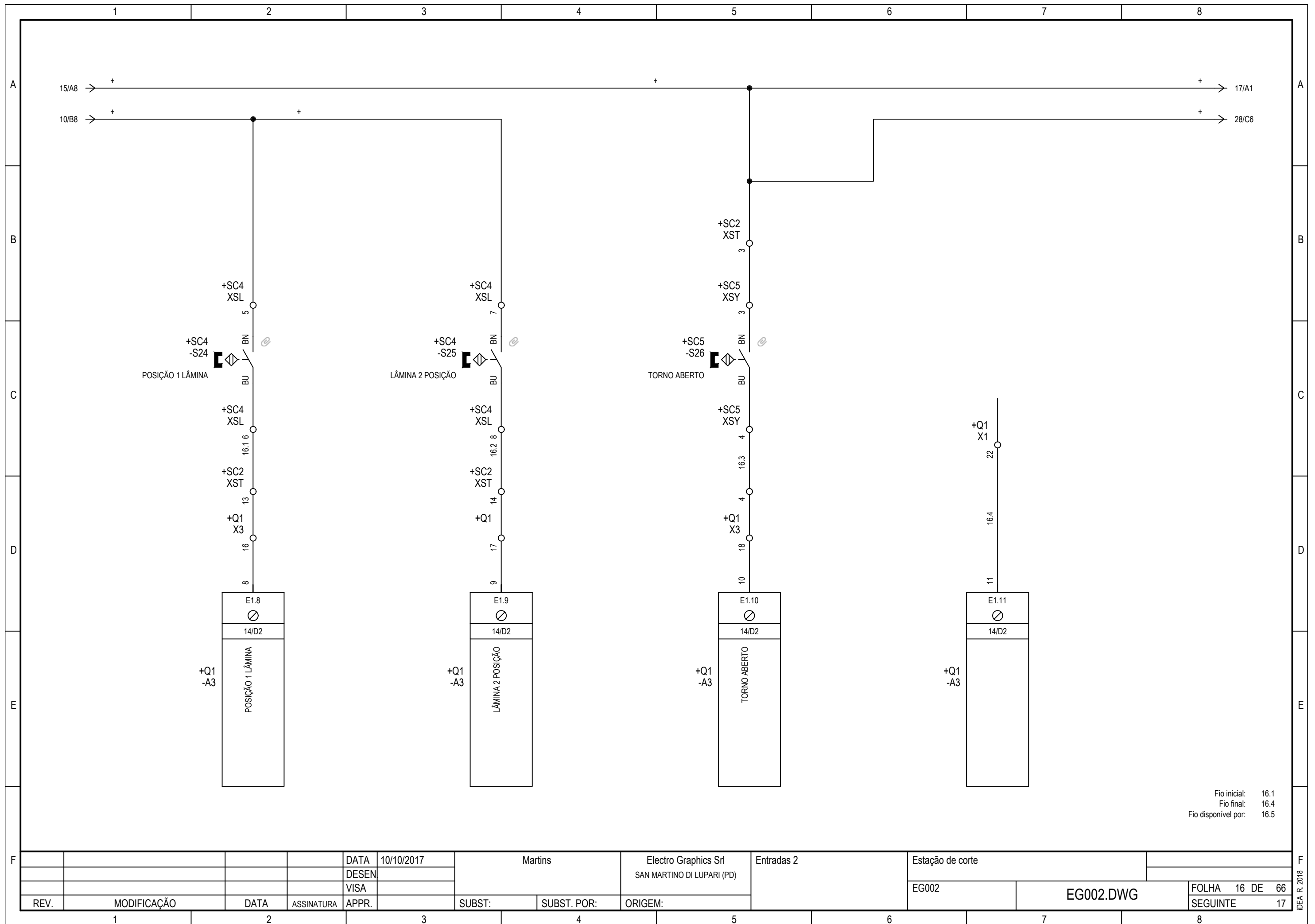
IDEA R. 2018



Fio inicial: 15.1  
 Fio final: 15.6  
 Fio disponível por: 15.7

REV.		MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	Entradas 2	Estação de corte	EG002	EG002.DWG	FOLHA 15 DE 66
			10/10/2017										SEGUINTE 16

IDEA R. 2018

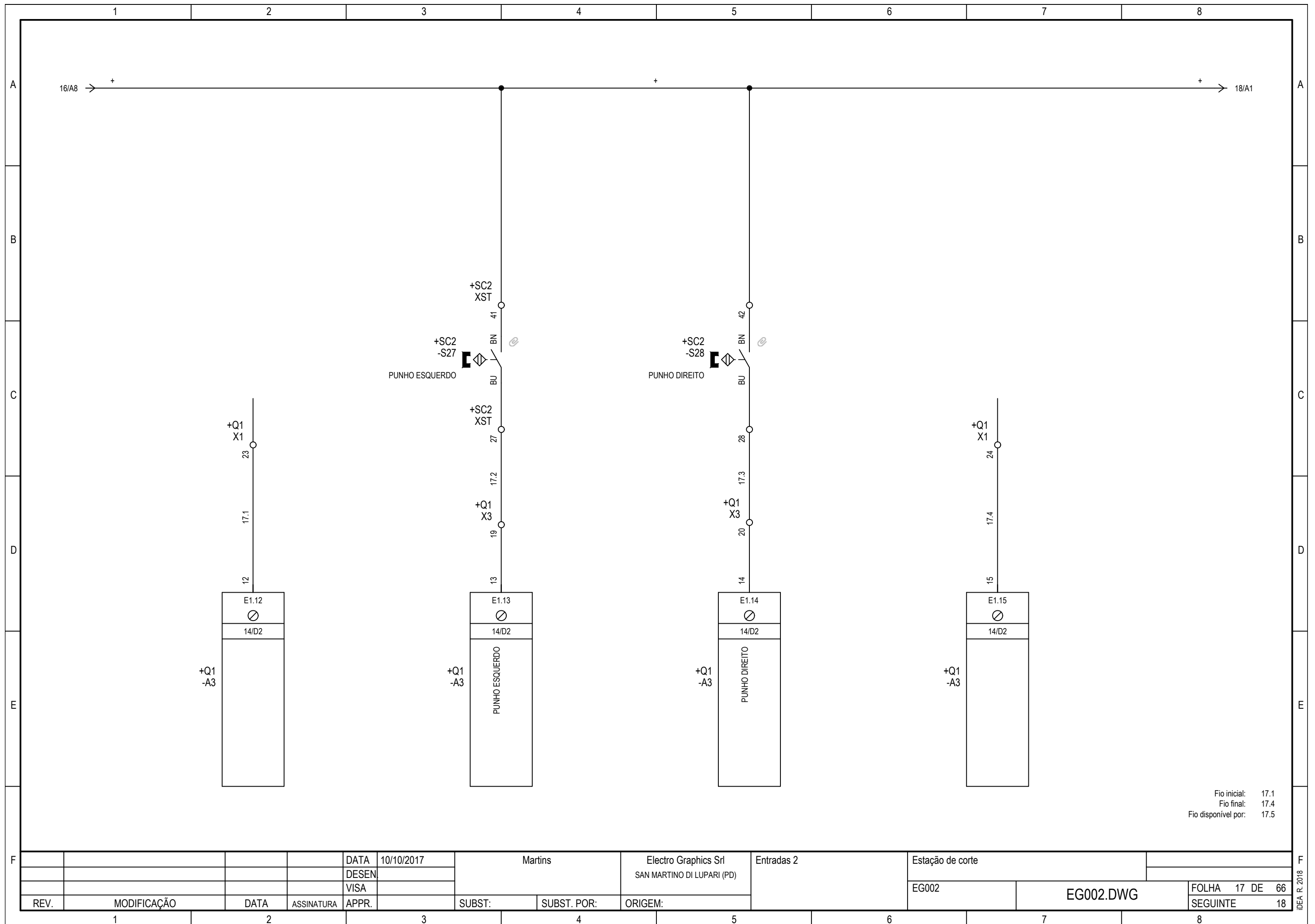


Fio inicial: 16.1  
 Fio final: 16.4  
 Fio disponível por: 16.5

				DATA	10/10/2017	Martins		Electro Graphics Srl	Entradas 2	Estação de corte		
				DESEN				SAN MARTINO DI LUPARI (PD)				
				VISA								
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:		EG002	EG002.DWG	FOLHA 16 DE 66
												SEGUINTE 17

IDEA R. 2018

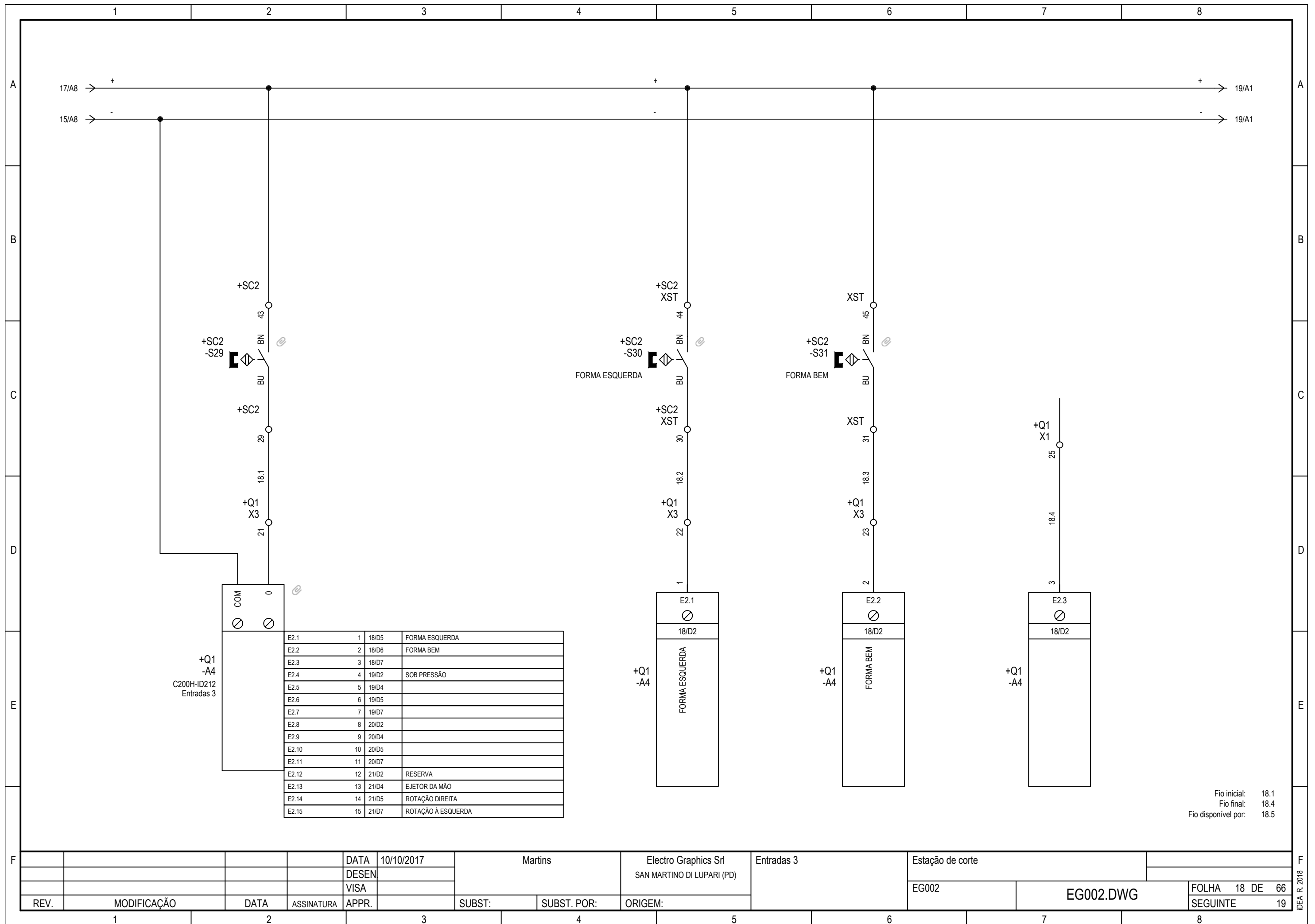




Fio inicial: 17.1  
 Fio final: 17.4  
 Fio disponível por: 17.5

				DATA	10/10/2017	Martins		Electro Graphics Srl	Entradas 2	Estação de corte		
				DESEN				SAN MARTINO DI LUPARI (PD)				
				VISA								
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:		EG002	EG002.DWG	FOLHA 17 DE 66
1		2			3			5	6	7		SEGUINTE 18

IDEA R. 2018

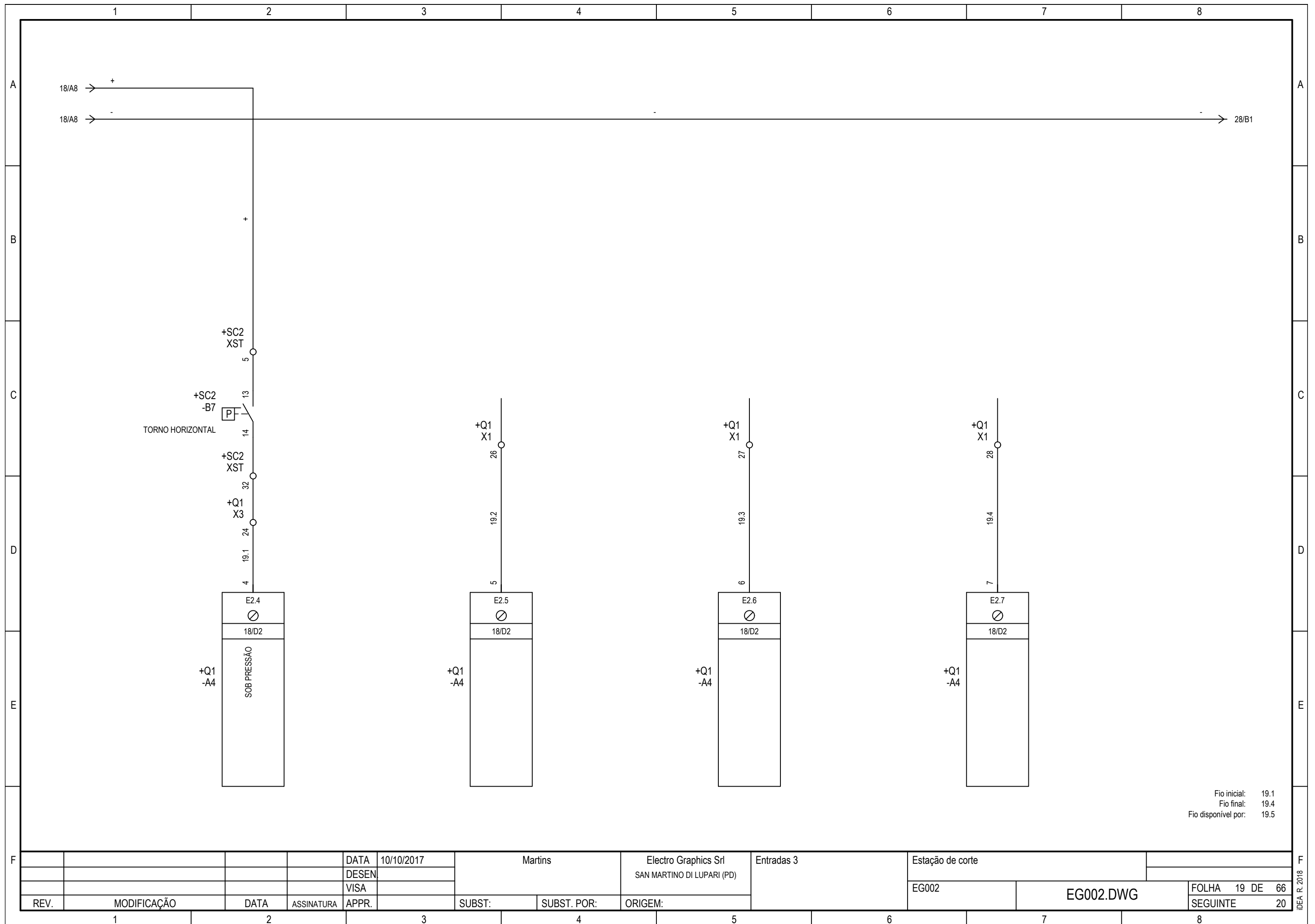


E2.1	1	18/D5	FORMA ESQUERDA
E2.2	2	18/D6	FORMA BEM
E2.3	3	18/D7	
E2.4	4	19/D2	SOB PRESSÃO
E2.5	5	19/D4	
E2.6	6	19/D5	
E2.7	7	19/D7	
E2.8	8	20/D2	
E2.9	9	20/D4	
E2.10	10	20/D5	
E2.11	11	20/D7	
E2.12	12	21/D2	RESERVA
E2.13	13	21/D4	EJETOR DA MÃO
E2.14	14	21/D5	ROTAÇÃO DIREITA
E2.15	15	21/D7	ROTAÇÃO À ESQUERDA

Fio inicial: 18.1  
 Fio final: 18.4  
 Fio disponível por: 18.5

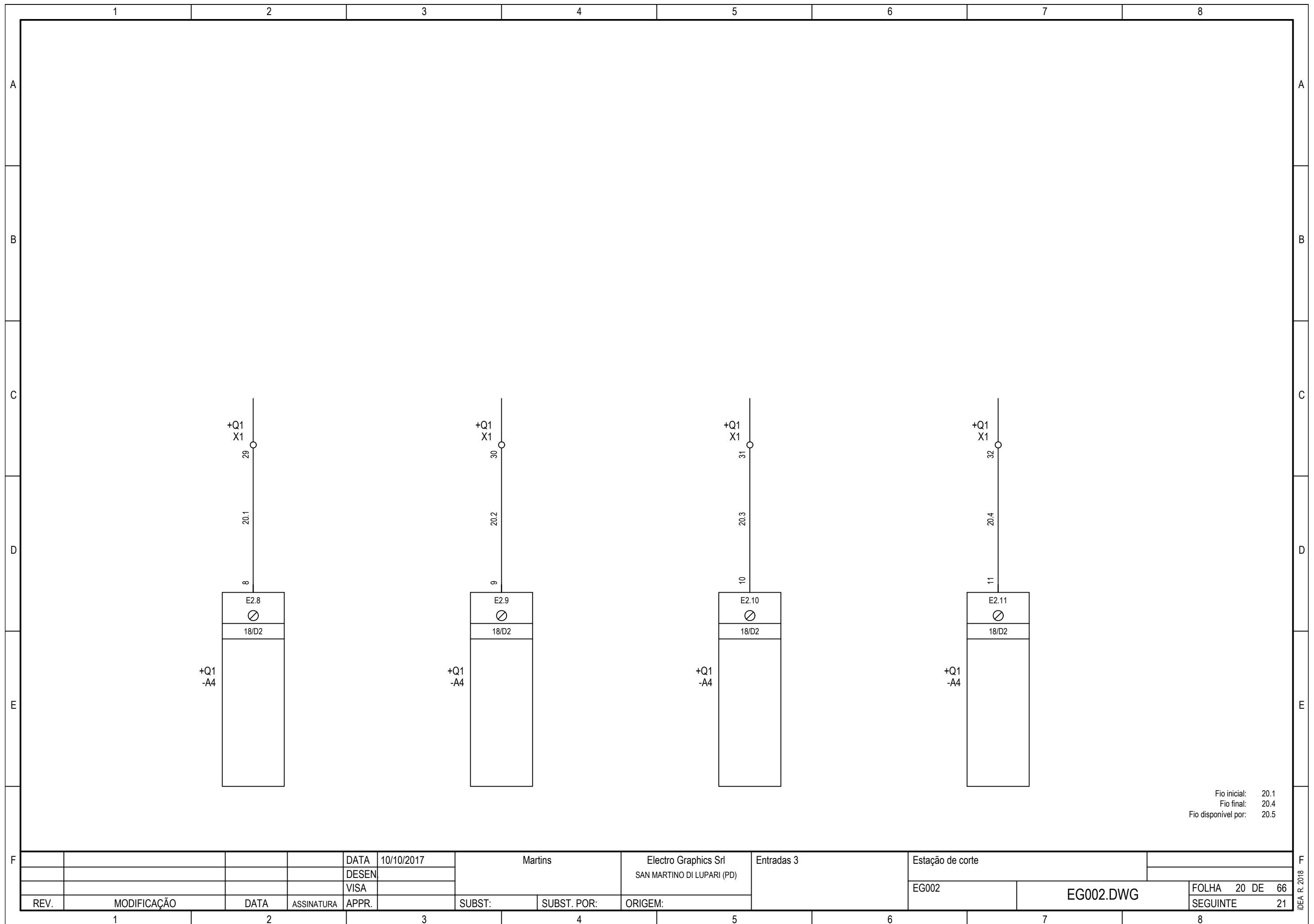
DATA	10/10/2017	Martins	Electro Graphics Srl	Entradas 3	Estação de corte	
DESEN			SAN MARTINO DI LUPARI (PD)		EG002	
VISA			ORIGEM:		EG002.DWG	FOLHA 18 DE 66
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SEGUINTE 19

IDEA R. 2018



REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	Entradas 3	Estação de corte	EG002	EG002.DWG	FOLHA 19 DE 66
												SEGUINTE 20

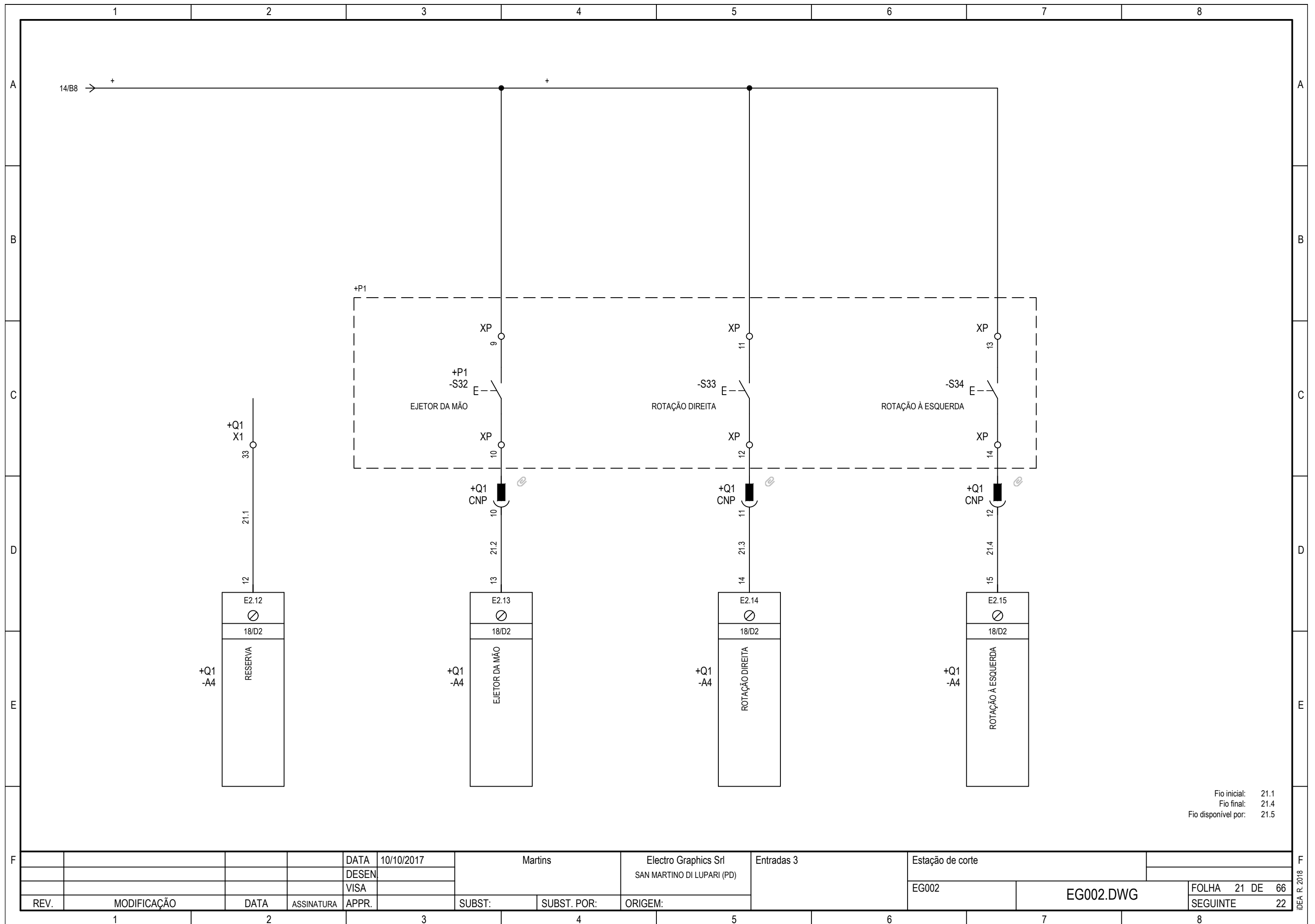
IDEA R. 2018



Fio inicial: 20.1  
 Fio final: 20.4  
 Fio disponível por: 20.5

				DATA	10/10/2017	Martins		Electro Graphics Srl	Entradas 3	Estação de corte		
				DESEN				SAN MARTINO DI LUPARI (PD)				
				VISA						EG002	EG002.DWG	FOLHA 20 DE 66
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:				SEGUINTE 21
1		2			3			5	6	7		8

IDEA R. 2018

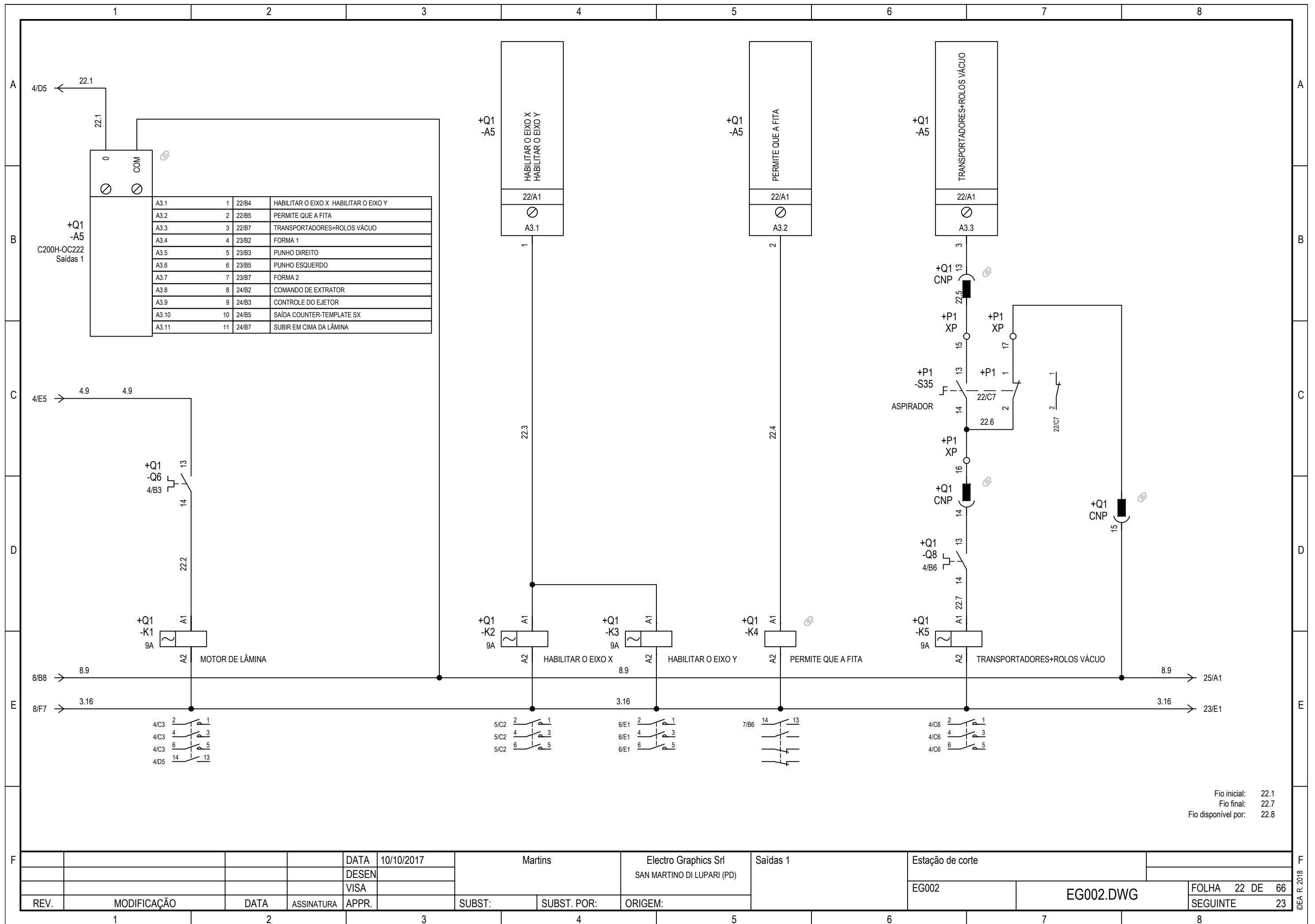


Fio inicial: 21.1  
 Fio final: 21.4  
 Fio disponível por: 21.5

DATA	10/10/2017	Martins		Electro Graphics Srl	Entradas 3	Estação de corte	
DESEN				SAN MARTINO DI LUPARI (PD)			
VISA						EG002	EG002.DWG
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:
1		2			3	4	5
						6	7
						8	8

FOLHA 21 DE 66  
 SEGUINTE 22

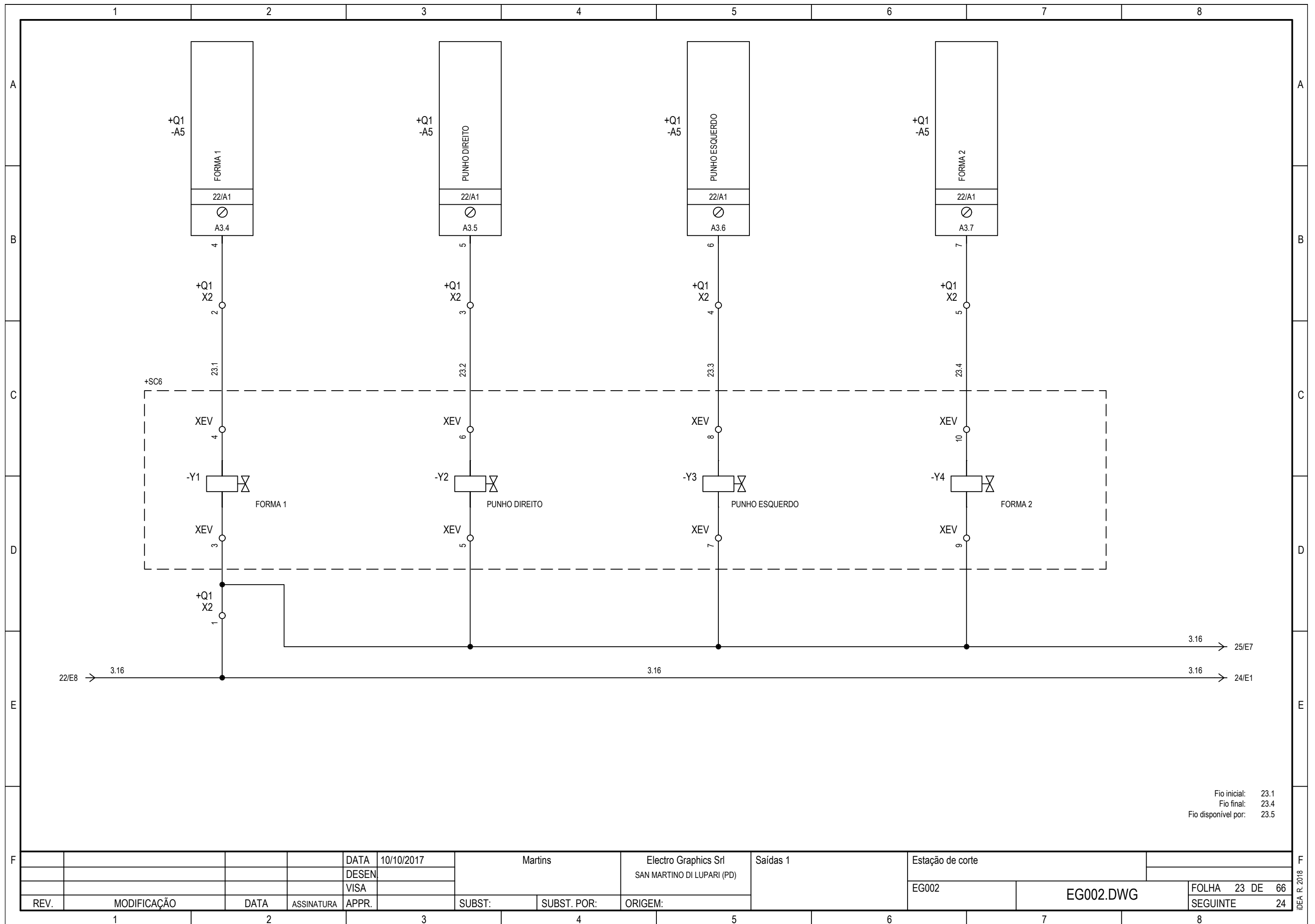
IDEA R. 2018



Fio inicial: 22.1  
 Fio final: 22.7  
 Fio disponível por: 22.8

DATA	10/10/2017	Martins		Electro Graphics Srl	Saídas 1	Estação de corte	
DESEN				SAN MARTINO DI LUPARI (PD)			
VISA							
REVISIONS	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:
1		2			3		
						EG002	EG002.DWG
						FOLHA	22 DE 66
						SEGUINTE	23

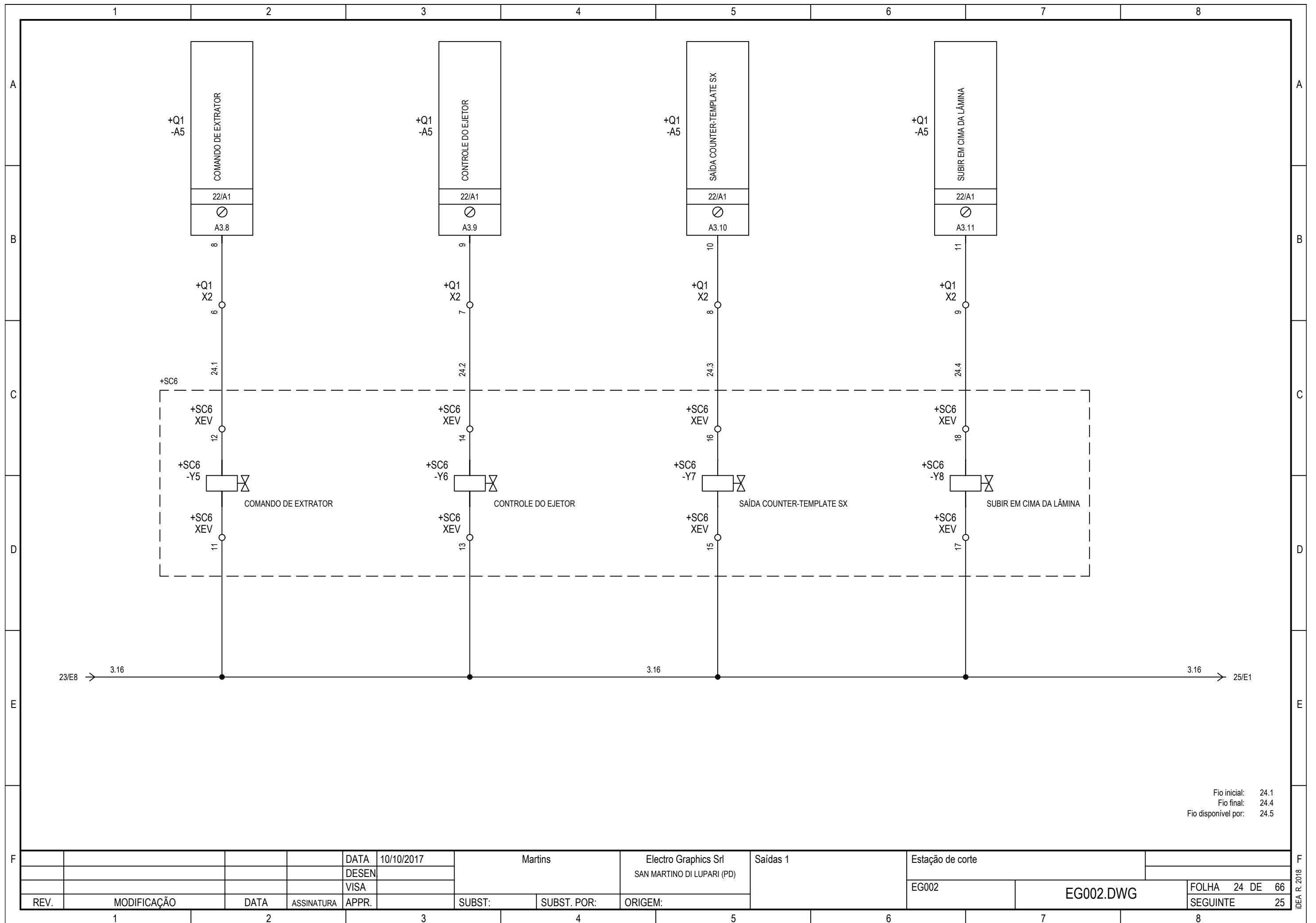
IDEA R. 2018



Fio inicial: 23.1  
 Fio final: 23.4  
 Fio disponível por: 23.5

DATA	10/10/2017	Martins		Electro Graphics Srl	Saídas 1	Estação de corte	
DESEN				SAN MARTINO DI LUPARI (PD)			
VISA						EG002	EG002.DWG
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:
1		2			3	4	5
						FOLHA 23 DE 66	
						SEGUINTE 24	

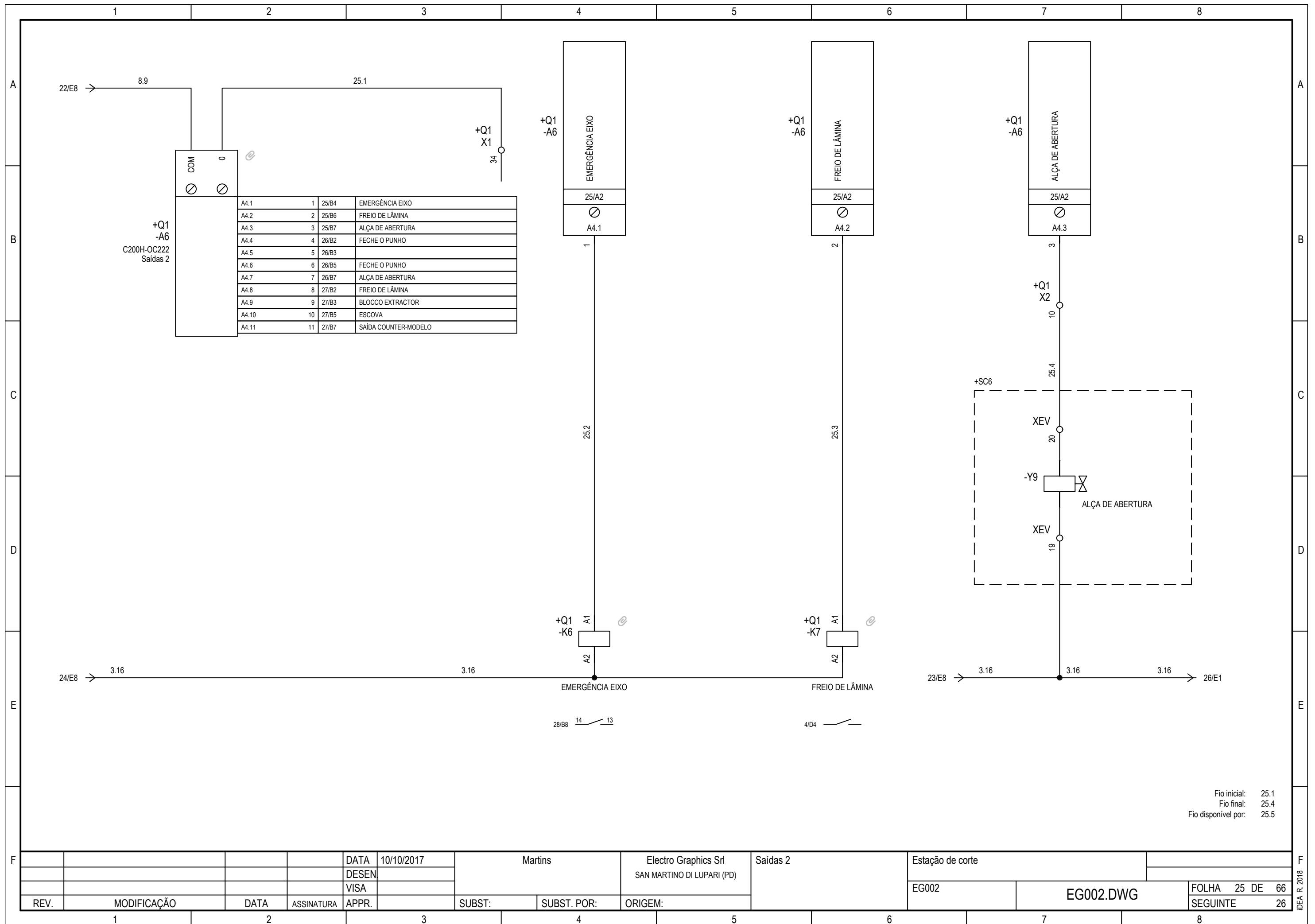
IDEA R. 2018

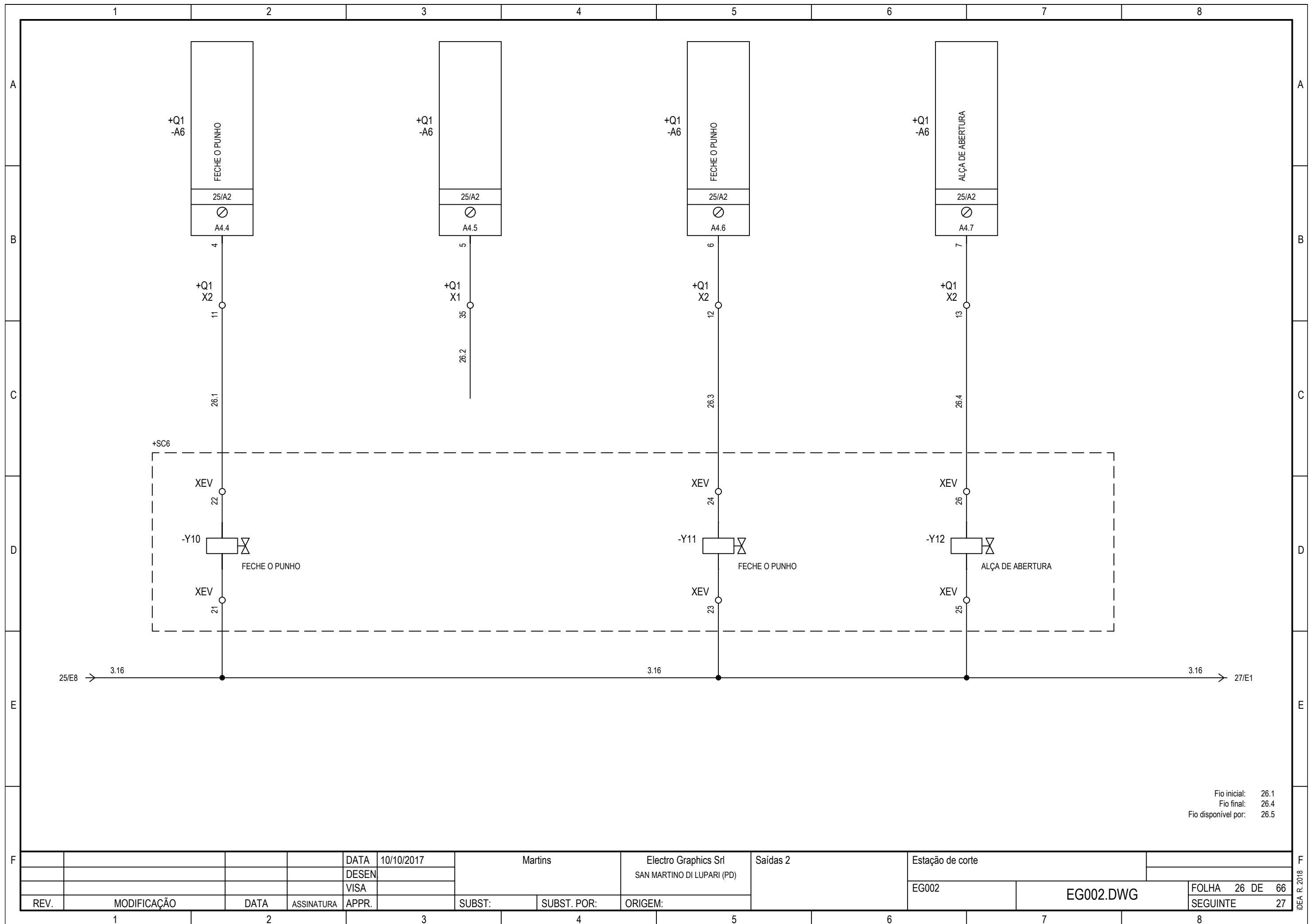


REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	Estação de corte	EG002	EG002.DWG	FOLHA 24 DE 66	SEGUINTE 25
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IDEA R. 2018



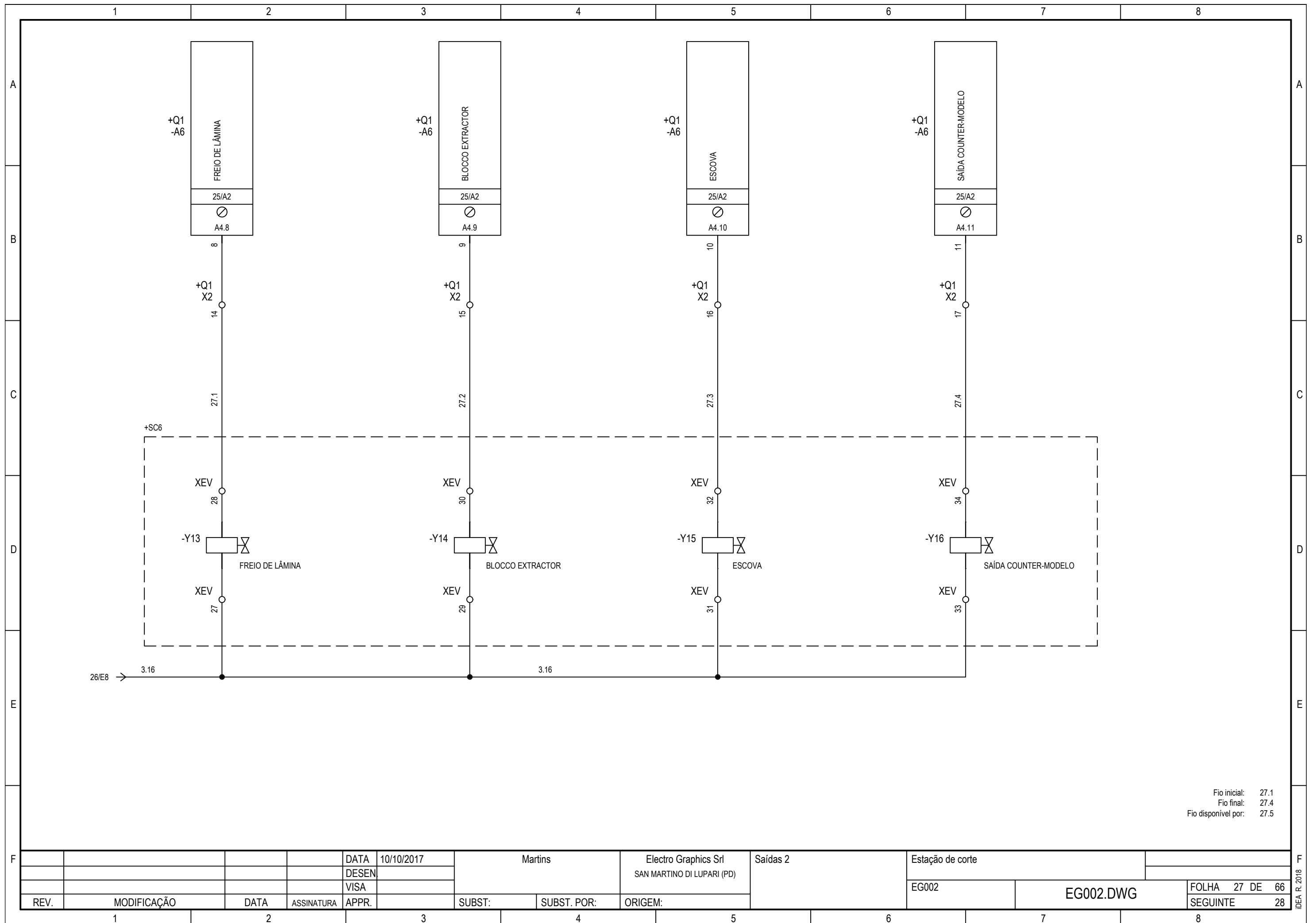




Fio inicial: 26.1  
 Fio final: 26.4  
 Fio disponível por: 26.5

DATA	10/10/2017	Martins		Electro Graphics Srl	Saídas 2	Estação de corte	
DESEN				SAN MARTINO DI LUPARI (PD)			
VISA				ORIGEM:		EG002	EG002.DWG
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	FOLHA 26 DE 66
							SEGUINTE 27

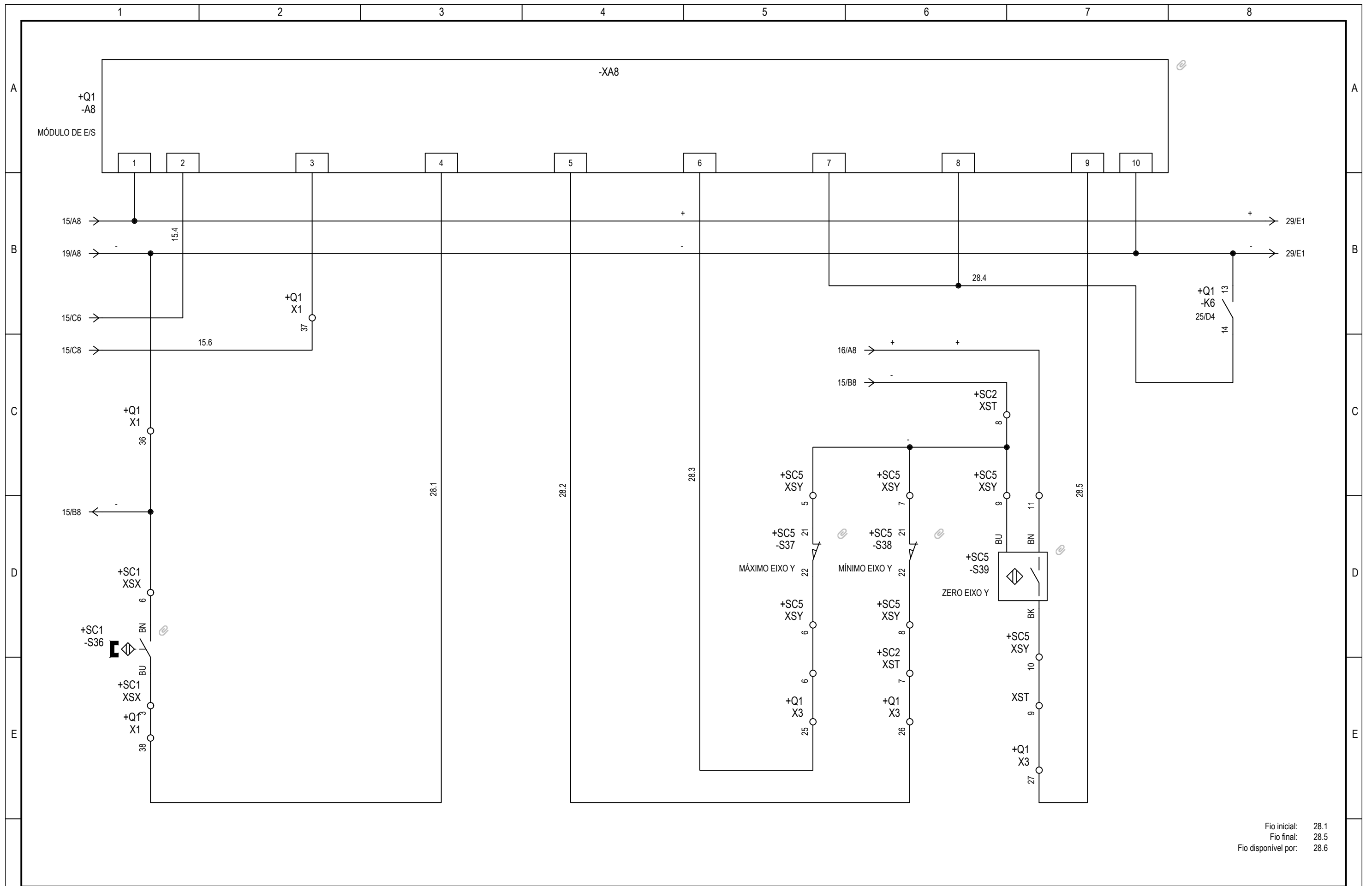
IDEA R. 2018



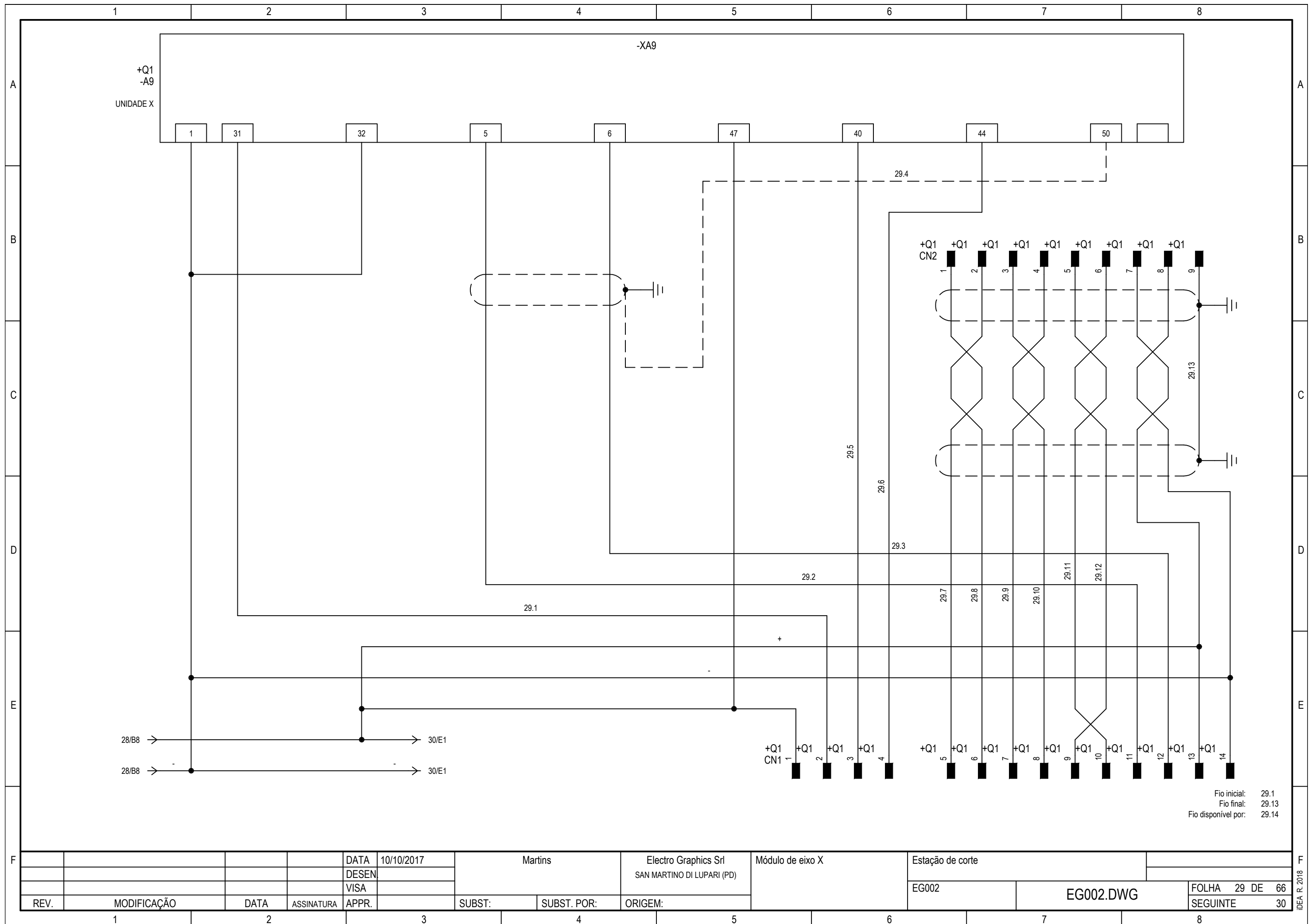
Fio inicial: 27.1  
 Fio final: 27.4  
 Fio disponível por: 27.5

DATA	10/10/2017	Martins		Electro Graphics Srl	Saídas 2	Estação de corte	
DESEN				SAN MARTINO DI LUPARI (PD)			
VISA				ORIGEM:		EG002	EG002.DWG
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	FOLHA 27 DE 66
1		2			3		SEGUINTE 28

IDEA R. 2018



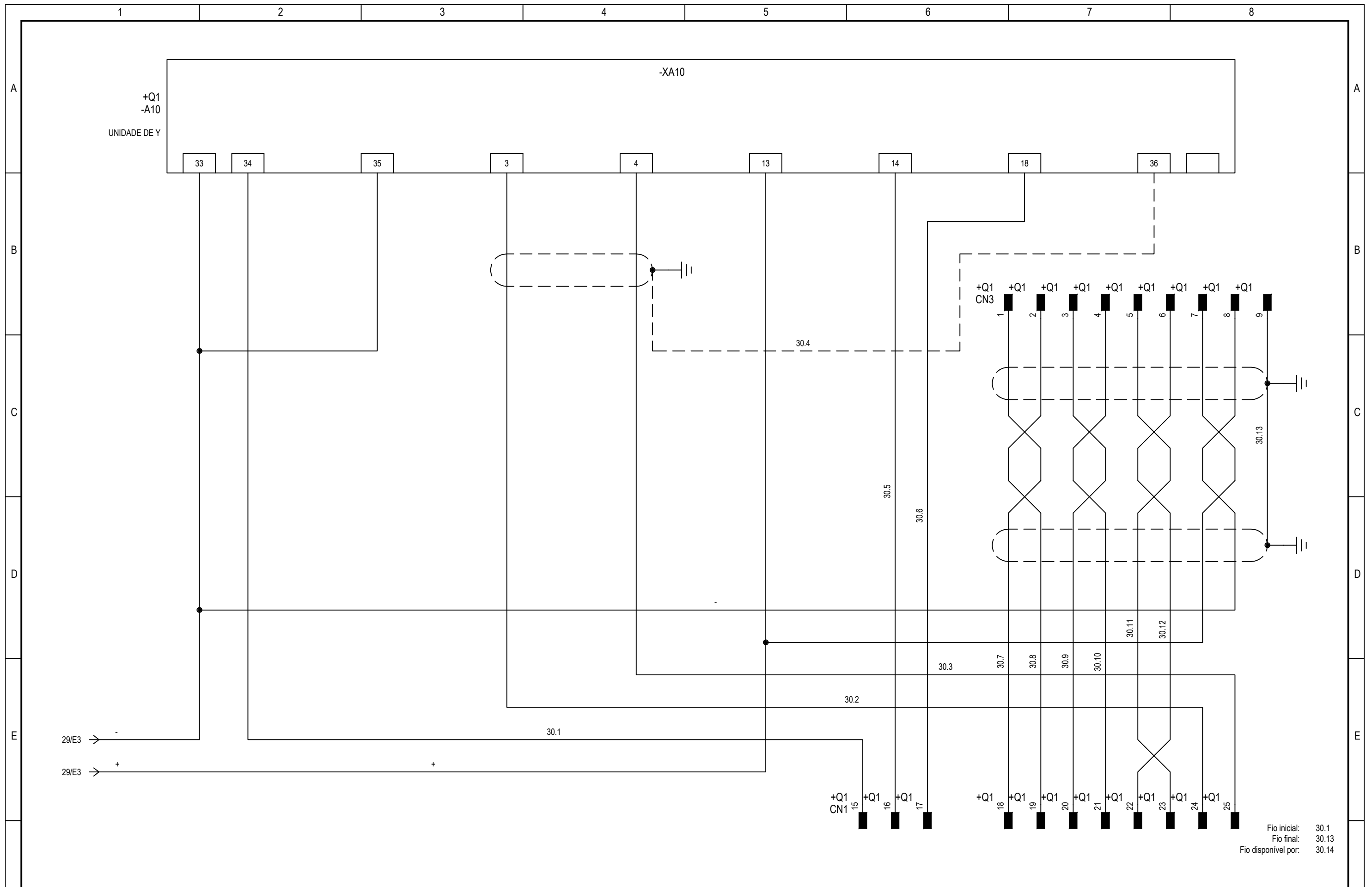
1	Sensores de eixo de mudança	31/01/2015	Silva	DATA	10/10/2017	Martins	Electro Graphics Srl SAN MARTINO DI LUPARI (PD)	Placa de E/S	Estação de corte	
				DESEN					EG002	
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:	EG002.DWG	FOLHA 28 DE 66 SEGUINTE 29



Fio inicial: 29.1  
 Fio final: 29.13  
 Fio disponível por: 29.14

DATA	10/10/2017	Martins		Electro Graphics Srl	Módulo de eixo X	Estação de corte	
DESEN				SAN MARTINO DI LUPARI (PD)		EG002	
VISA				ORIGEM:		EG002.DWG	FOLHA 29 DE 66
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	SEGUINTE 30


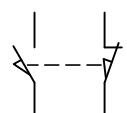
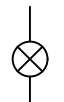

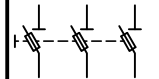
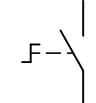
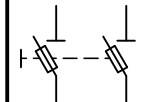
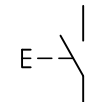
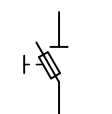
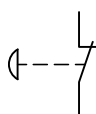
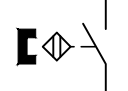

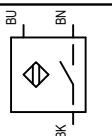
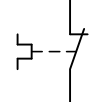
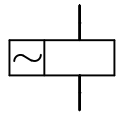
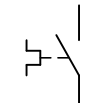
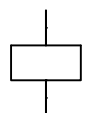
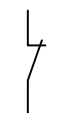
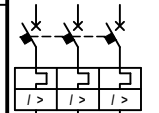
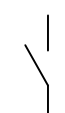
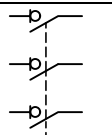
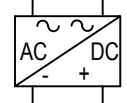
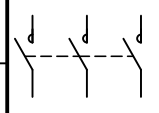
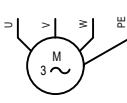
IDEA R. 2018

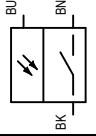






Fio inicial: 30.1  
 Fio final: 30.13  
 Fio disponível por: 30.14

		DATA	10/10/2017	Martins		Electro Graphics Srl	Módulo de eixo Y	Estação de corte	
		DESEN				SAN MARTINO DI LUPARI (PD)			
		VISA							
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	EG002	EG002.DWG
1									FOLHA 30 DE 66
									SEGUINTE 31

IDEA R. 2018

1	2		3	4	5	6	7	8	
	<b>Símbolo</b>	<b>Descrição</b>			<b>Símbolo</b>	<b>Descrição</b>			
A		Terra				Interruptor de limite de duplo circuito			
		Lâmpada, lâmpada de sinal				Contato com a posição de abertura (batente)			
B		Interruptor principal com fusível interno				Contato do fechamento com o comando rotativo sem retorno aut.			
		Interruptor principal com fusível interno				Contato do fechamento com botão auto-retorno.			
		Interruptor principal com fusível interno				Contato de abertura com o comando de segurança			
C		Dispositivo sensível de proximidade, controlado por um ímã.				Interruptor de pressão			
		Interruptores de posição				Contato de abertura (relé térmico)			
D		Bobina de controle de um relé, AC				Contato de fechado (relé térmico)			
		Bobina de controle da relé auxiliar				Contato de abertura			
		Pelo interruptor de apert.autom.funz de pot.ad. para magnetoterm de corr..				Contato de fechado			
E		Interruptor-seccionador				Fonte de alimentação			
		Contator (contato de fechado)				Motor assíncrono trifásico com rotor em curto-circuito			
F			DATA	10/10/2017	Martins		Electro Graphics Srl	Legenda de símbolos	Estação de corte
			DESEN				SAN MARTINO DI LUPARI (PD)		
			VISA						EG002
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:		EG002.DWG
1									FOLHA 31 DE 66
2									SEGUINTE 32

	1	2	3	4	5	6	7	8	
A		Fotocélula							
		Tomada e plugue (fêmea e macho)							
B		Tomada e plugue (fêmea e macho)							
		Plugue (macho) ou pólo por uma plugue							
C		Plugue (macho) ou pólo por uma plugue							
D									
E									
F									
				DATA	10/10/2017	Martins	Electro Graphics Srl SAN MARTINO DI LUPARI (PD)	Legenda de símbolos	Estação de corte
				DESEN					
				VISA					
	REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	EG002
									EG002.DWG
									FOLHA 32 DE 66 SEGUINTE 33



1			2			3			4			5			6			7			8		
A	Sigla	Descrição	Posição	Sigla	Descrição	Posição	Sigla	Descrição	Posição	Sigla	Descrição	Posição	Sigla	Descrição	Posição	Sigla	Descrição	Posição	A				
	-A1	FONTE DE ALIMENTAÇÃO	10/D1	-A6	ALÇA DE ABERTURA	26/B7	-S8	AVANÇO	11/C2	-Y2	PUNHO DIREITO	23/C3											
	-A2	2 CONTRA-MODELO DE BAIXO	13/D7	-A6	BLOCCO EXTRACTOR	27/B3	-S9	CONTROLE DE POSIÇÃO	11/C4	-Y3	PUNHO ESQUERDO	23/C5											
	-A2	AVANÇO	11/D2	-A6	EMERGÊNCIA EIXO	25/B4	-S10	FORMA 1	11/C5	-Y4	FORMA 2	23/C7											
	-A2	CONTROLE DE POSIÇÃO	11/D4	-A6	ESCOVA	27/B5	-S11	FORMA 2	11/C7	-Y5	COMANDO DE EXTRATOR	24/C2											
	-A2	EJETOR PARA FORA	13/D4	-A6	FECHE O PUNHO	26/B2	-S12	PUNHO ESQUERDO	12/C4	-Y6	CONTROLE DO EJETOR	24/C3											
	-A2	EMERGÊNCIA	13/D5	-A6	FECHE O PUNHO	26/B5	-S13	EXTRATOR INTERNO	12/C5	-Y7	SAÍDA COUNTER-TEMPLATE SX	24/C5											
	-A2	EXTRATOR INTERNO	12/D5	-A6	FREIO DE LÂMINA	25/B6	-S14	FORA DO EXTRATOR	12/C7	-Y8	SUBIR EM CIMA DA LÂMINA	24/C7											
	-A2	Entradas 1	10/D3	-A6	FREIO DE LÂMINA	27/B2	-S15	RESTO DO EJETOR	13/C2	-Y9	ALÇA DE ABERTURA	25/C7											
	-A2	FORA DO EXTRATOR	12/D7	-A6	SAÍDA COUNTER-MODELO	27/B7	-S16	EJETOR PARA FORA	13/C4	-Y10	FECHE O PUNHO	26/D2											
	-A2	FORMA 1	11/D5	-A6	Saídas 2	25/A2	-S17	2 CONTRA-MODELO DE BAIXO	13/C7	-Y11	FECHE O PUNHO	26/D5											
	-A2	FORMA 2	11/D7	-B1	INTERRUPTOR DE PRESSÃO	8/D3	-S18	INÍCIO DO CICLO	14/C2	-Y12	ALÇA DE ABERTURA	26/D7											
	-A2	LÂMINA TRASEIRA	10/D8	-B2	CARGA SUPERIOR	10/B3	-S19	FIM DO CICLO	14/C4	-Y13	FREIO DE LÂMINA	27/D2											
	-A2	POSIÇÃO DA LÂMINA 3	10/D6	-B3	CENTRO DE CARGA	10/B5	-S20	CARTER	14/C5	-Y14	BLOCCO EXTRACTOR	27/D3											
	-A2	PRESEÇA DE PERFIL	10/D5	-B4	PUNHO ESQUERDO	12/C2	-S21	CONTRA-MODELO DE	14/C6	-Y15	ESCOVA	27/D5											
	-A2	PUNHO ESQUERDO	12/D2	-B5	PRESEÇA DE PERFIL	14/C7	-S22	MÁXIMA EIXO X	15/C5	-Y16	SAÍDA COUNTER-MODELO	27/D7											
-A2	PUNHO ESQUERDO	12/D4	-B6	CONTROLE DE BARRA DE FERRAMENTAS	15/C3	-S23	EIXO X MÍNIMO	15/C7	XGF1	MOVIMENTAÇÃO DO EIXO X	5/A2												
-A2	RESTO DO EJETOR	13/D2	-B7	TORNO HORIZONTAL	19/C2	-S24	POSIÇÃO 1 LÂMINA	16/C2	XGF2	MOVIMENTAÇÃO DO EIXO Y	6/A2												
-A3	1 CONTRA-MODELO DE BAIXO	14/D6	-G1	ALIMENTAÇÃO DE 24 VDC	4/C1	-S25	LÂMINA 2 POSIÇÃO	16/C4	XGF3	INVERSOR DE FITA	7/A2												
-A3	CONTROLE DE BARRA DE FERRAMENTAS	15/D4	-H1	ILUMINAÇÃO	9/D2	-S26	TORNO ABERTO	16/C5															
-A3	EIXO X MÍNIMO	15/D7	-K1	MOTOR DE LÂMINA	22/D2	-S27	PUNHO ESQUERDO	17/C4															
-A3	Entradas 2	14/D2	-K2	HABILITAR O EIXO X	22/D4	-S28	PUNHO DIREITO	17/C5															
-A3	FIM DO CICLO	14/D4	-K3	HABILITAR O EIXO Y	22/D5	-S30	FORMA ESQUERDA	18/C5															
-A3	LÂMINA 2 POSIÇÃO	16/D4	-K4	PERMITE QUE A FITA	22/D5	-S31	FORMA BEM	18/C6															
-A3	MÁXIMA EIXO X	15/D5	-K5	TRANSPORTADORES+ROLOS VÁCUO	22/D7	-S32	EJETOR DA MÃO	21/C4															
-A3	POSIÇÃO 1 LÂMINA	16/D2	-K6	EMERGÊNCIA EIXO	25/D4	-S33	ROTAÇÃO DIREITA	21/C5															
-A3	PRESEÇA DE PERFIL	14/D7	-K7	FREIO DE LÂMINA	25/D6	-S34	ROTAÇÃO À ESQUERDA	21/C7															
-A3	PUNHO DIREITO	17/D5	-M1	MOTOR DE LÂMINA	4/E3	-S35	ASPIRADOR	22/C7															
-A3	PUNHO ESQUERDO	17/D4	-M2	CARREGAMENTO ROLO TRANSPORTADOR	4/E7	-S37	MÁXIMO EIXO Y	28/D5															
-A3	TORNO ABERTO	16/D5	-M3	X EIXO MOTOR	5/E7	-S38	MÍNIMO EIXO Y	28/D6															
-A4	EJETOR DA MÃO	21/D4	-M4	MOTOR DO EIXO Y	6/E7	-S39	ZERO EIXO Y	28/D7															
-A4	Entradas 3	18/D2	-M5	FITA	7/E4	-S40	ROTAÇÃO DIREITA	38/B1															
-A4	FORMA BEM	18/D6	-M10	ASPIRADOR	4/E6	-S41	EJETOR DA MÃO	38/C1															
-A4	FORMA ESQUERDA	18/D5	-Q1	INTERRUPTOR PRINCIPAL	3/A1	-S42	ASPIRADOR	38/C2															
-A4	RESERVA	21/D2	-Q2	PROTEÇÃO DO TRAFÓ	3/B3	-S43	EMERGÊNCIA	38/E2															
-A4	ROTAÇÃO DIREITA	21/D5	-Q3	PROTEÇÃO SECUNDÁRIA	3/D3	-S44	ROTAÇÃO À ESQUERDA	38/B3															
-A4	ROTAÇÃO À ESQUERDA	21/D7	-Q4	PROTEÇÃO AUXILIAR	3/B6	-S45	EMERGÊNCIA	38/E4															
-A4	SOB PRESSÃO	19/D2	-Q5	AUXILIARES	3/C6	-S46	AVANÇO	38/E6															
-A5	COMANDO DE EXTRATOR	24/B2	-Q6	MOTOR DE LÂMINA	4/B3	-S47	EMERGÊNCIA	38/B7															
-A5	CONTROLE DO EJETOR	24/B3	-Q7	FREIO DE LÂMINA	4/B4	-S48	INÍCIO DO CICLO	38/C7															
-A5	FORMA 1	23/B2	-Q8	TRANSPORTE DE CILINDRO DE VÁCUO	4/B6	-S49	RESET	38/B8															
-A5	FORMA 2	23/B7	-Q9	PROTEÇÃO DA UNIDADE	5/C1	-S50	FIM DO CICLO	38/C8															
-A5	HABILITAR O EIXO X	22/B4	-Q12	PROTEÇÃO DO INVERSOR	7/C1	-T1	TRAFÓ DRIVES	3/C3															
-A5	PERMITE QUE A FITA	22/B5	-Q13	PROTEÇÃO AUXILIAR	9/B6	-T2	AUXILIARES AC	3/C6															
-A5	PUNHO DIREITO	23/B3	-S1	EMERGÊNCIA	8/B2	-T3	DC AUXILIAR	4/C1															
-A5	PUNHO ESQUERDO	23/B5	-S2	EMERGÊNCIA	8/C2	-T4	TRAFÓ EIXO Y	6/C1															
-A5	SAÍDA COUNTER-TEMPLATE SX	24/B5	-S3	EMERGÊNCIA	8/E2	-XA1	DISPOSITIVO DE EMERGÊNCIA	8/A2															
-A5	SUBIR EM CIMA DA LÂMINA	24/B7	-S4	CARTER	8/C3	-XA8	MÓDULO DE E/S	28/A1															
-A5	Saídas 1	22/A1	-S5	RESET	8/C5	-XA9	UNIDADE X	29/A1															
-A5	TRANSPORTADORES+ROLOS VÁCUO	22/B7	-S6	POSIÇÃO DA LÂMINA 3	10/C6	-XA10	UNIDADE DE Y	30/A1															
-A6	ALÇA DE ABERTURA	25/B7	-S7	LÂMINA TRASEIRA	10/C8	-Y1	FORMA 1	23/C2															
F	DATA	10/10/2017	Martins		Electro Graphics Srl		Lista de simbolo		Estação de corte														
	DESEN				SAN MARTINO DI LUPARI (PD)																		
	VISA																						
	REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:			EG002		EG002.DWG		FOLHA 33 DE 66		SEGUINTE 34						
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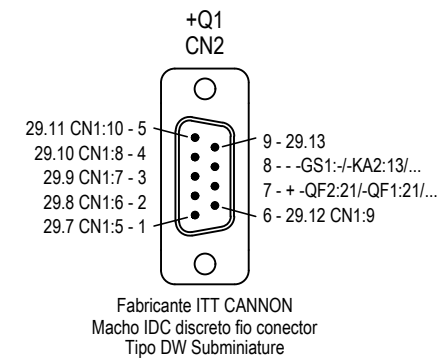
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	3.2	3/A1	2.5	5.2	5/A2	2.5	11.1	11/C2	1.5	20.4	20/C7	1.5	29.4	29/A1	1.5
	3.3	3/A1	2.5	5.3	5/A2	2.5	11.2	11/C4	1.5	21.1	21/C2	1.5	29.5	29/E6	1.5
	3.4	3/B6	1.5	5.4	5/A2	2.5	11.3	11/C5	1.5	21.2	21/D4	1.5	29.6	29/E6	1.5
	3.5	3/B6	1.5	5.5	5/A2	2.5	11.4	11/C7	1.5	21.3	21/D5	1.5	29.7	29/B6	1.5
	3.6	3/B3	2.5	5.6	5/A2	2.5	12.1	12/C2	1.5	21.4	21/D7	1.5	29.8	29/B7	1.5
	3.7	3/C3	2.5	5.7	5/A2	2.5	12.2	12/C4	1.5	22.1	4/C5	1.5	29.9	29/B7	1.5
	3.8	3/C3	2.5	5.8	5/A2	2.5	12.3	12/C5	1.5	22.2	22/C2	1.5	29.10	29/B7	1.5
	3.9	3/D3	2.5	6.1	6/C1	1.5	12.4	12/C7	1.5	22.3	22/B4	1.5	29.11	29/B7	1.5
	3.10	3/C3	2.5	6.2	6/C1	1.5	13.1	13/D2	1.5	22.4	22/B5	1.5	29.12	29/B7	1.5
	3.11	3/C3	2.5	6.3	6/E1	1.5	13.2	13/D4	1.5	22.5	22/C7	1.5	29.13	29/B8	1.5
	3.12	3/D3	2.5	6.4	6/A2	1.5	13.3	13/C7	1.5	22.6	22/C7	1.5	30.1	30/E6	1.5
	3.13	3/C3	2.5	6.5	6/C1	1.5	14.1	14/D2	1.5	22.7	22/D7	1.5	30.2	30/E8	1.5
	3.14	3/C3	2.5	6.6	6/C1	1.5	14.2	14/D4	1.5	23.1	23/B2	1.5	30.3	30/E8	1.5
	3.15	3/D3	2.5	6.7	6/E1	1.5	14.3	14/C6	1.5	23.2	23/B3	1.5	30.4	30/A1	1.5
C	3.16	3/C6	1.5	6.8	6/A2	1.5	14.4	14/C7	1.5	23.3	23/B5	1.5	30.5	30/E6	1.5
	3.17	3/B6	1.5	6.9	6/A2	1.5	15.1	15/D2	1.5	23.4	23/B7	1.5	30.6	30/E6	1.5
	3.18	3/B6	1.5	6.10	6/A2	1.5	15.2	15/C3	1.5	24.1	24/B2	1.5	30.7	30/B7	1.5
	3.19	3/C6	1.5	6.11	6/A2	1.5	15.3	15/C5	1.5	24.2	24/B3	1.5	30.8	30/B7	1.5
	3.20	3/C6	1.5	7.1	7/A2	1.5	15.4	15/C5	1.5	24.3	24/B5	1.5	30.9	30/B7	1.5
	4.1	4/C1	1.5	7.2	7/A2	1.5	15.5	15/C7	1.5	24.4	24/B7	1.5	30.10	30/B7	1.5
	4.2	4/C1	1.5	7.3	7/E4	1.5	15.6	15/C7	1.5	25.1	25/A4	1.5	30.11	30/B7	1.5
	4.3	4/C3	1.5	7.4	7/E4	1.5	16.1	16/D2	1.5	25.2	25/B4	1.5	30.12	30/B8	1.5
	4.4	4/E3	2.5	7.5	7/E4	1.5	16.2	16/D4	1.5	25.3	25/B6	1.5	30.13	30/B8	1.5
	4.5	4/C3	1.5	7.6	7/A2	1.5	16.3	16/D5	1.5	25.4	25/B7	1.5	+	4/C1	1.5
	4.6	4/C5	2.5	7.7	7/A2	1.5	16.4	16/C7	1.5	26.1	26/B2	1.5	-	4/C1	1.5
	4.7	4/C3	1.5	8.1	8/C2	1.5	17.1	17/C2	1.5	26.2	26/B3	1.5	GV	3/E2	2.5
	4.8	4/B5	2.5	8.2	8/D2	1.5	17.2	17/C4	1.5	26.3	26/B5	1.5	PE	3/B1	2.5
	4.9	4/C5	1.5	8.3	8/D3	1.5	17.3	17/C5	1.5	26.4	26/B7	1.5			
	4.10	4/B5	1.5	8.4	8/A2	1.5	17.4	17/C7	1.5	27.1	27/B2	1.5			
4.11	4/B5	1.5	8.5	8/D3	1.5	18.1	18/C2	1.5	27.2	27/B3	1.5				
4.12	4/C5	1.5	8.6	8/B5	1.5	18.2	18/C5	1.5	27.3	27/B5	1.5				
4.13	4/C5	1.5	8.7	8/D5	1.5	18.3	18/C6	1.5	27.4	27/B7	1.5				
4.14	4/D5	1.5	8.8	8/A2	1.5	18.4	18/C7	1.5	28.1	28/A1	1.5				
4.15	4/C6	2.5	8.9	8/A2	1.5	19.1	19/C2	1.5	28.2	28/A1	1.5				
4.16	4/E7	1.5	9.1	9/C6	1.5	19.2	19/C4	1.5	28.3	28/A1	1.5				
4.17	4/C6	2.5	9.2	9/C6	1.5	19.3	19/C5	1.5	28.4	28/A1	1.5				
4.18	4/E7	1.5	10.1	10/B3	1.5	19.4	19/C7	1.5	28.5	28/D7	1.5				
4.19	4/C6	2.5	10.2	10/B5	1.5	20.1	20/C2	1.5	29.1	29/E6	1.5				
4.20	4/E8	1.5	10.3	10/D6	1.5	20.2	20/C4	1.5	29.2	29/E8	1.5				
F				DATA	10/10/2017	Martins		Electro Graphics Srl	Resumo de fio		Estação de corte				
				DESEN				SAN MARTINO DI LUPARI (PD)							
				VISA											
	REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:			EG002	EG002.DWG	FOLHA 35 DE 66	SEGUINTE 36
	1	2	3	4	5	6	7	8							

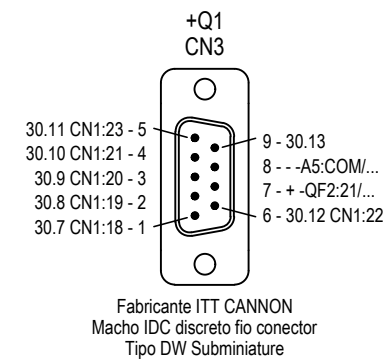
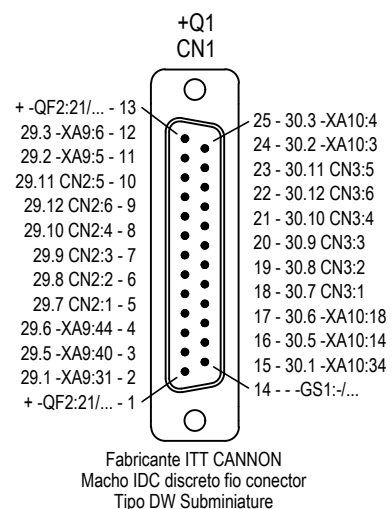
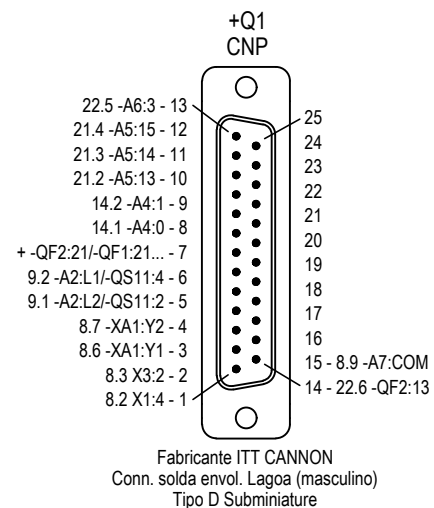
+Q1 CNP Fabricante ITT CANNON Conn. solda envol. Lagoa (masculino) Tipo D Subminiature		
Pin	Filo	Posizione
1	8.2	8/D2
2	8.3	8/E2
3	8.6	8/B5
4	8.7	8/D5
5	9.1	9/C6
6	9.2	9/C6
7	+	14/B2
8	14.1	14/D2
9	14.2	14/D4
10	21.2	21/D4
11	21.3	21/D5
12	21.4	21/D7
13	22.5	22/B7
14	22.6	22/D7
15	8.9	22/D8
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

+Q1 CN1 Fabricante ITT CANNON Macho IDC discreto fio conector Tipo DW Subminiature		
Pin	Filo	Posizione
1	+	29/E5
2	29.1	29/E6
3	29.5	29/E6
4	29.6	29/E6
5	29.7	29/E6
6	29.8	29/E7
7	29.9	29/E7
8	29.10	29/E7
9	29.12	29/E7
10	29.11	29/E7
11	29.2	29/E8
12	29.3	29/E8
13	+	29/E8
14	-	29/E8
15	30.1	30/E6
16	30.5	30/E6
17	30.6	30/E6
18	30.7	30/E7
19	30.8	30/E7
20	30.9	30/E7
21	30.10	30/E7
22	30.12	30/E7
23	30.11	30/E8
24	30.2	30/E8
25	30.3	30/E8

+Q1 CN2 Fabricante ITT CANNON Macho IDC discreto fio conector Tipo DW Subminiature		
Pin	Filo	Posizione
1	29.7	29/B6
2	29.8	29/B7
3	29.9	29/B7
4	29.10	29/B7
5	29.11	29/B7
6	29.12	29/B7
7	+	29/B8
8	-	29/B8
9	29.13	29/B8



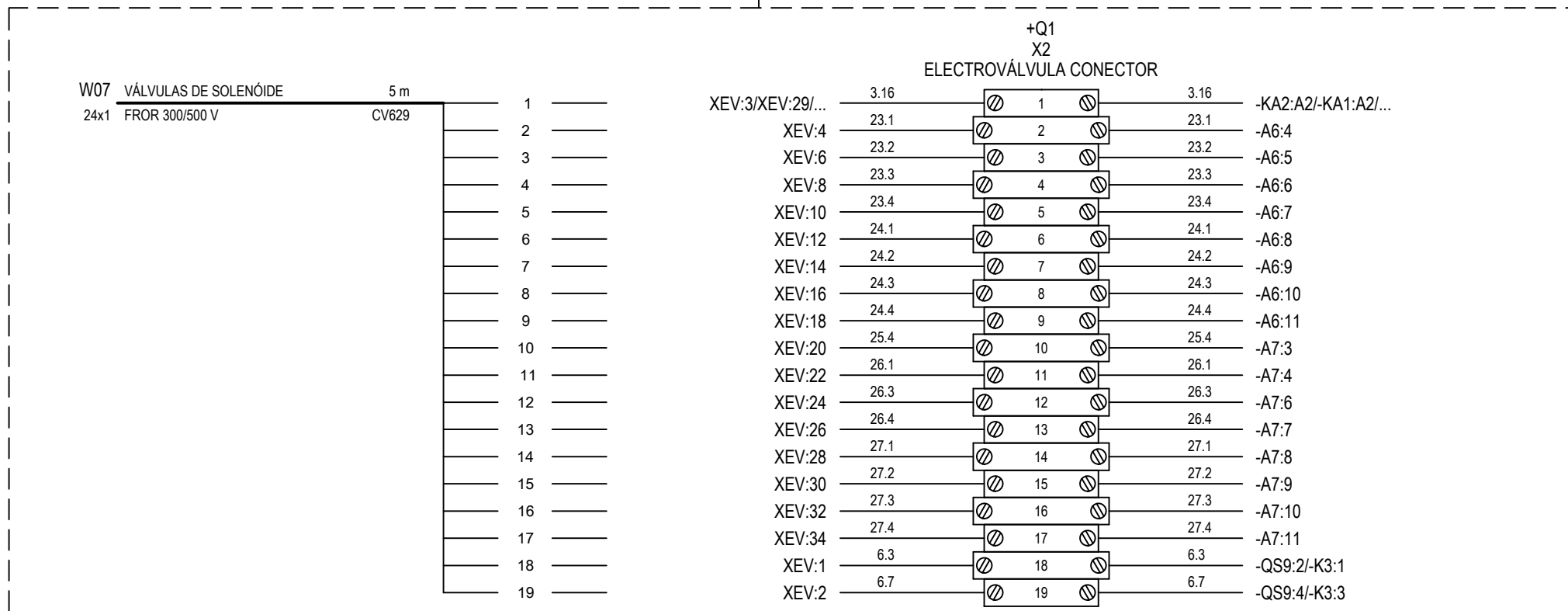
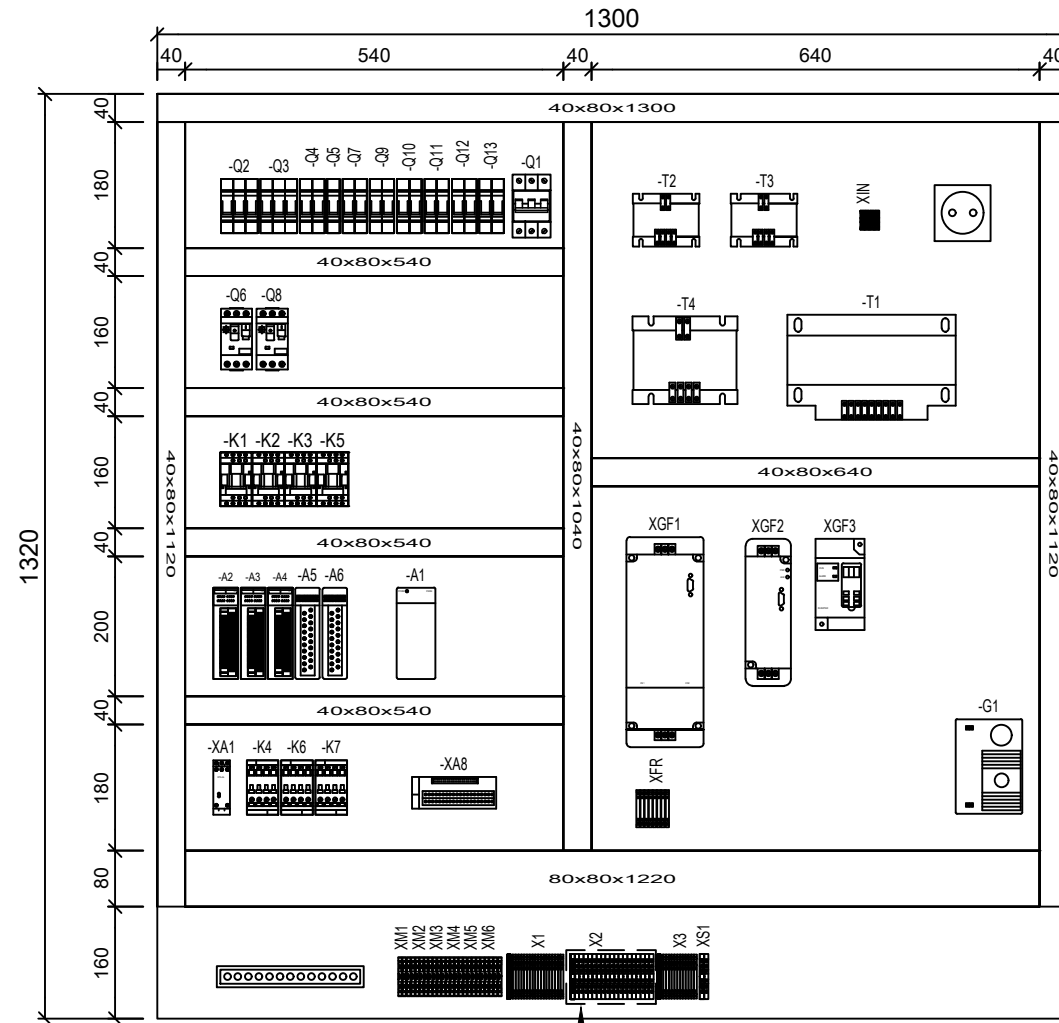
+Q1 CN3 Fabricante ITT CANNON Macho IDC discreto fio conector Tipo DW Subminiature					
Pin	Filo	Posizione	Sezione	Colore	Designazione
1	30.7	30/B7	1.5	BU	N1VV-K
2	30.8	30/B7	1.5	BU	N1VV-K
3	30.9	30/B7	1.5	BU	N1VV-K
4	30.10	30/B7	1.5	BU	N1VV-K
5	30.11	30/B7	1.5	BU	N1VV-K
6	30.12	30/B8	1.5	BU	N1VV-K
7	+	30/B8	1.5	RD	N1VV-K
8	-	30/B8	1.5	BU	N1VV-K
9	30.13	30/B8	1.5	BU	N1VV-K



REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	DATA	10/10/2017	Martins	Electro Graphics Srl SAN MARTINO DI LUPARI (PD)	Resumo conectores	Estação de corte	EG002	EG002.DWG	FOLHA 36 DE 66 SEGUINTE 37
1		2			3			5	6	7			8

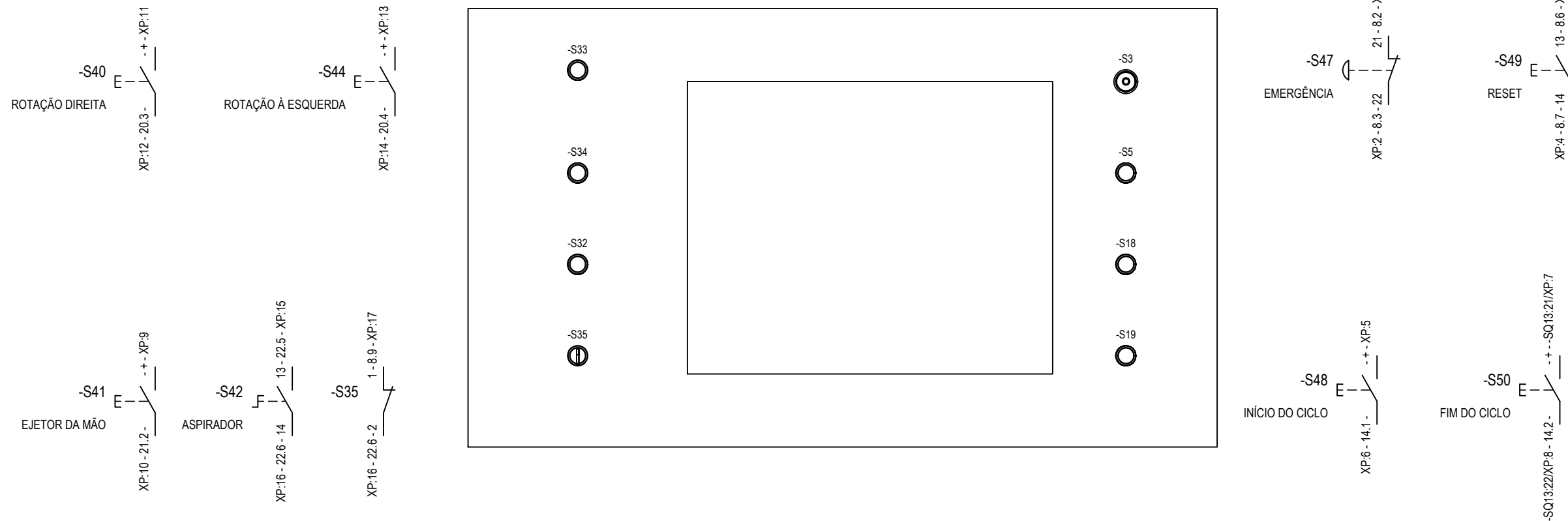
IDEA R. 2018

# O QUADRO

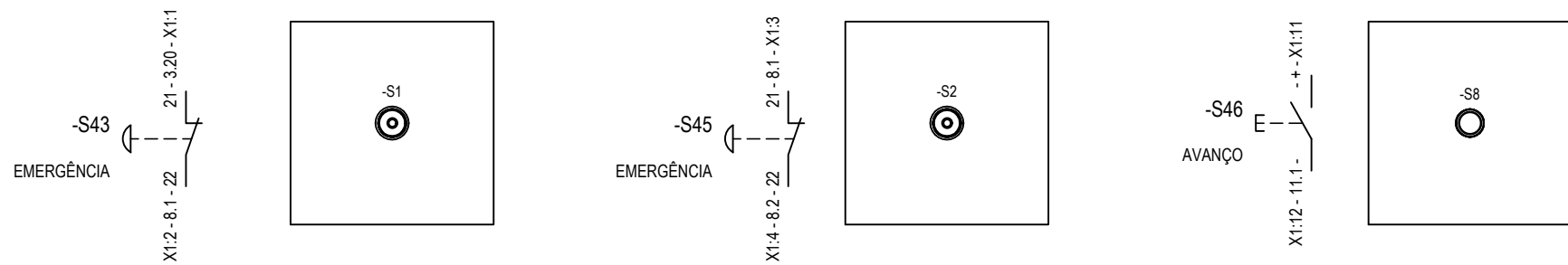


DATA	10/10/2017	Martins		Electro Graphics Srl	Layout de painel	Estação de corte	
DESEN				SAN MARTINO DI LUPARI (PD)			
VISA						EG002	EG002.DWG
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:
1		2			3	4	5
						FOLHA 37 DE 66	
						SEGUINTE 38	

# PAINEL PC



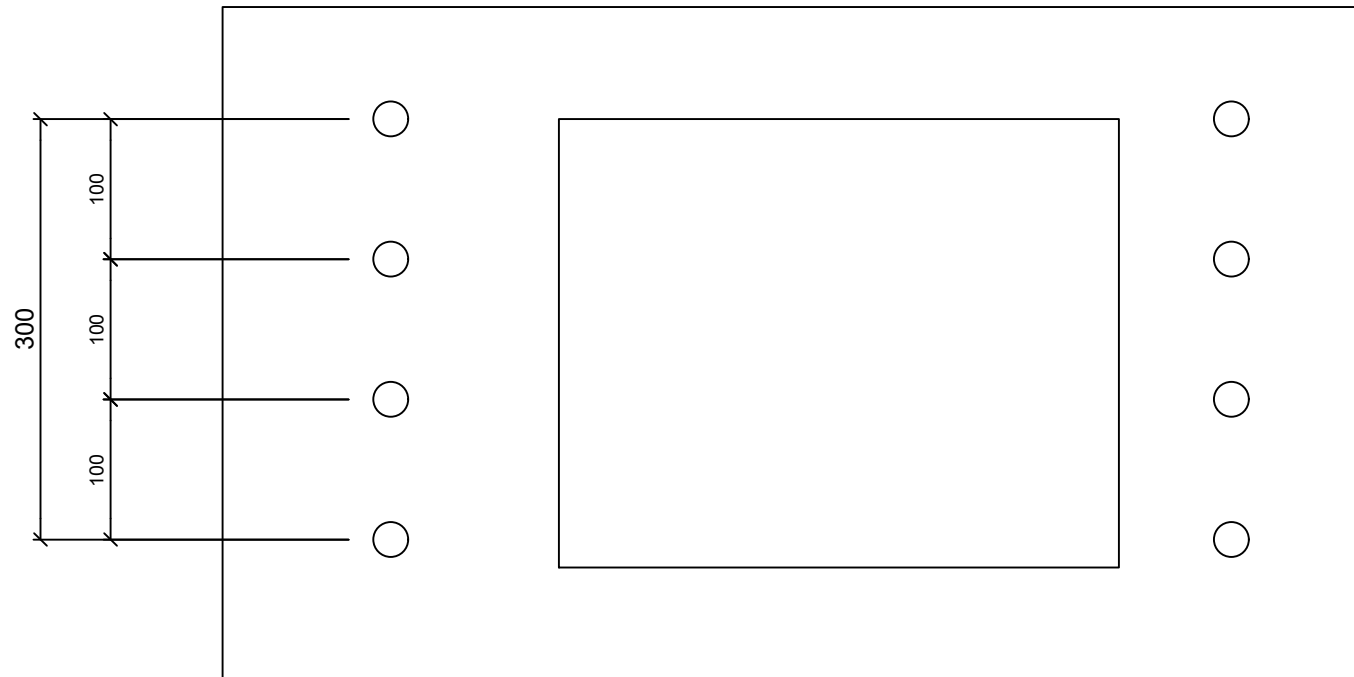
# PAINÉIS EXTERNOS



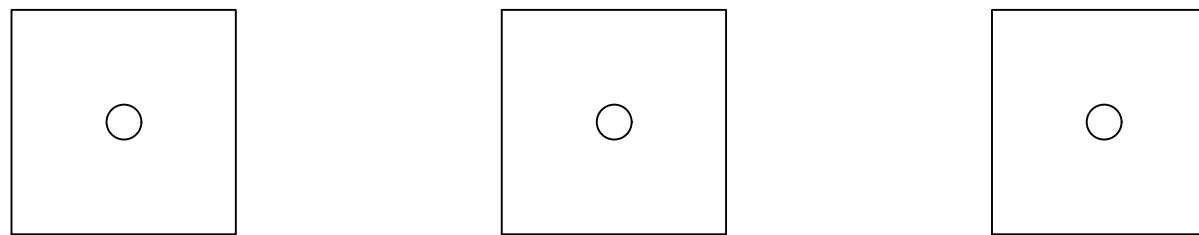
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	EG002	EG002.DWG	FOLHA 38 DE 66	SEGUINTE 39

IDEA R. 2018

# PAINEL PC

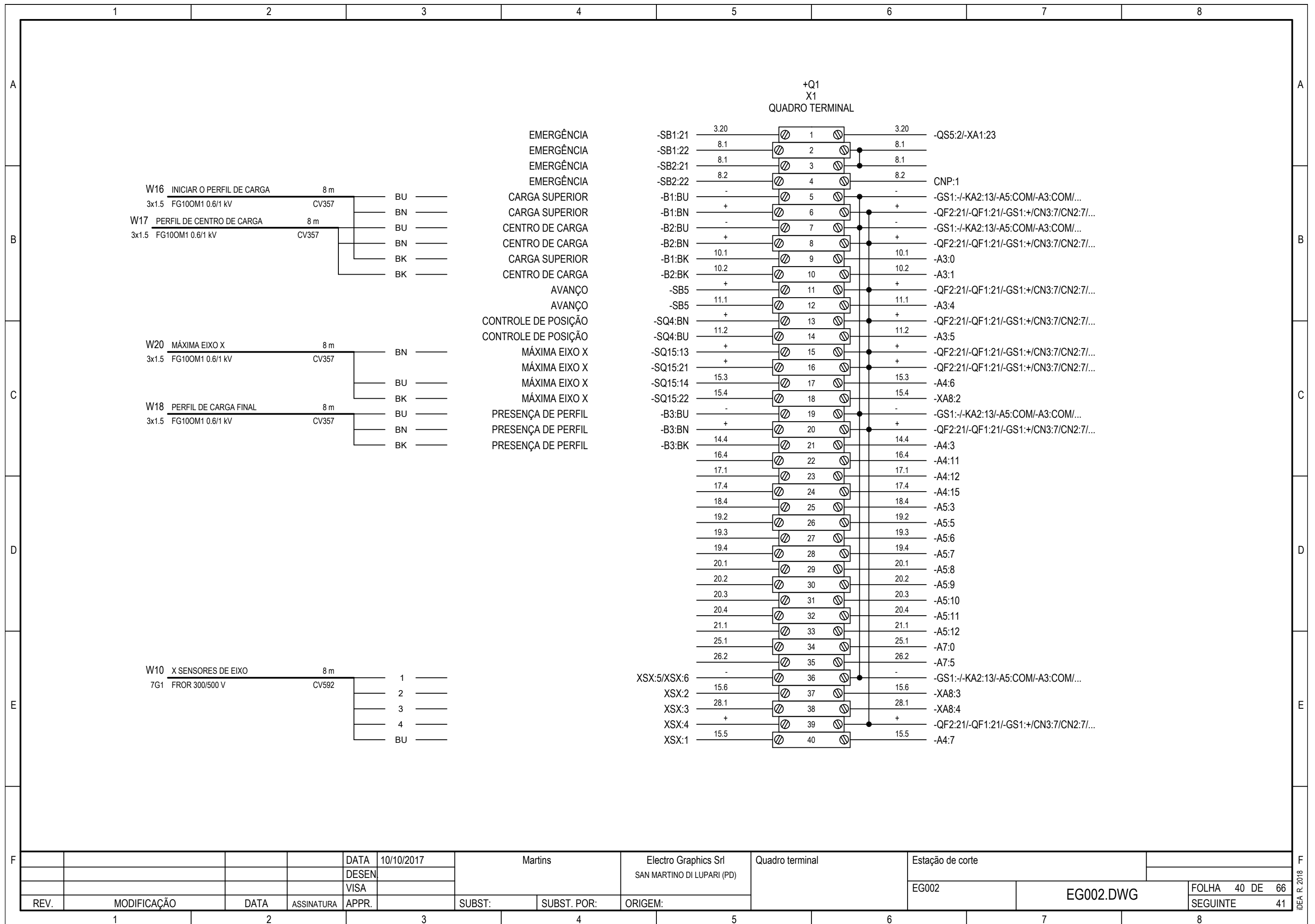


# PAINÉIS EXTERNOS



				DATA	10/10/2017	Martins		Electro Graphics Srl	Painéis de layout	Estação de corte	
				DESEN				SAN MARTINO DI LUPARI (PD)			
				VISA						EG002	
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:		EG002.DWG	FOLHA 39 DE 66
											SEGUINTE 40

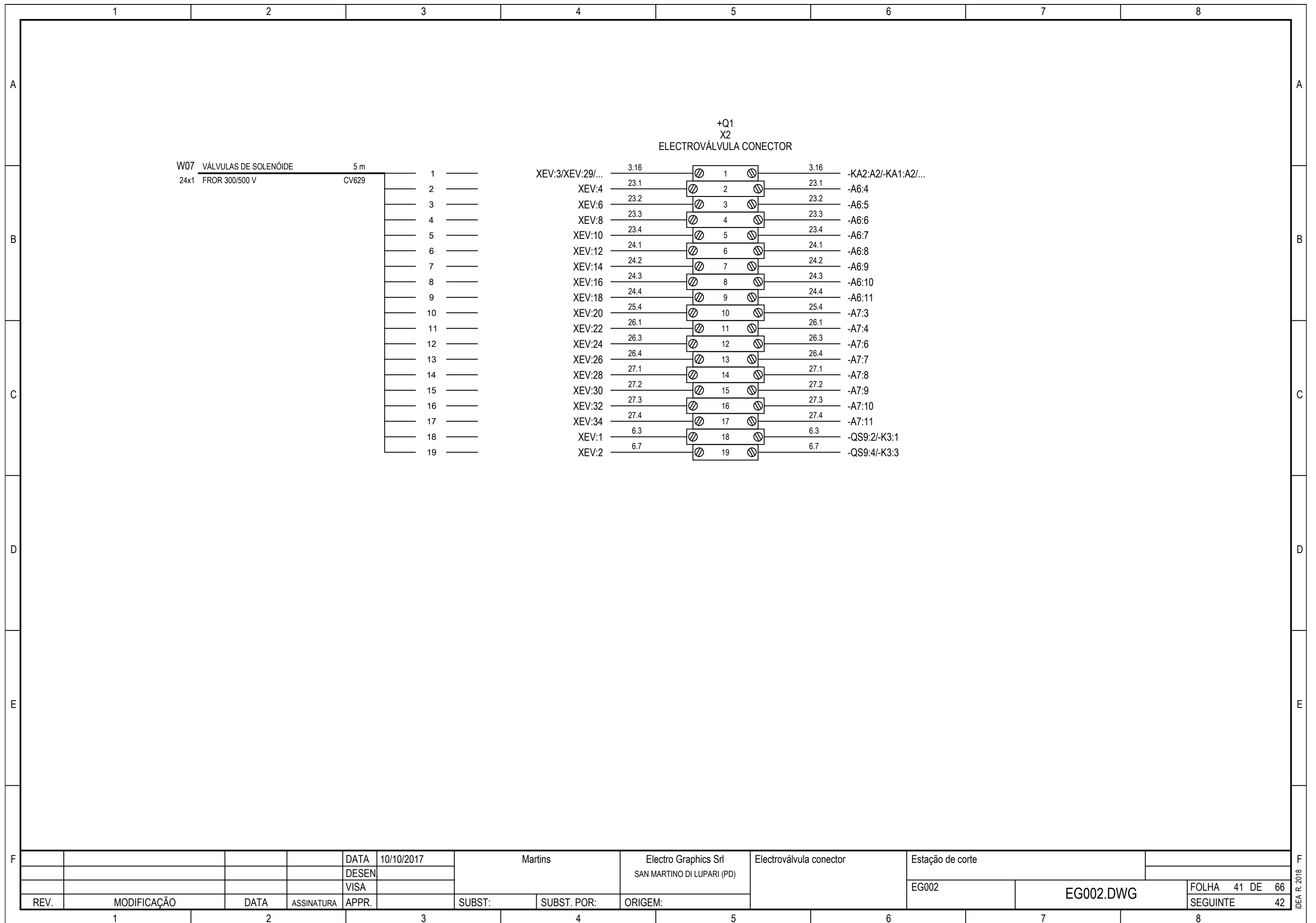
IDEA R. 2018

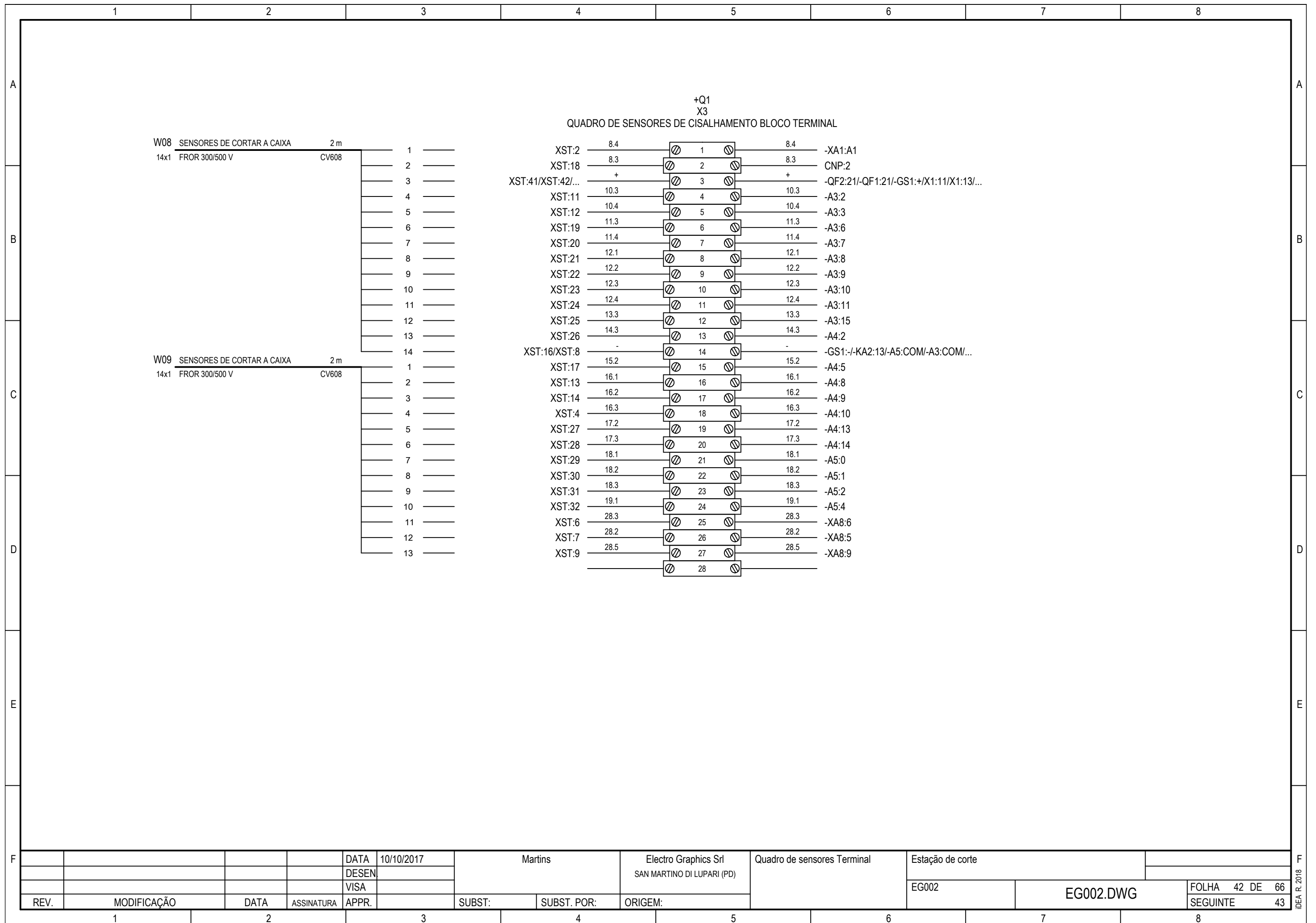


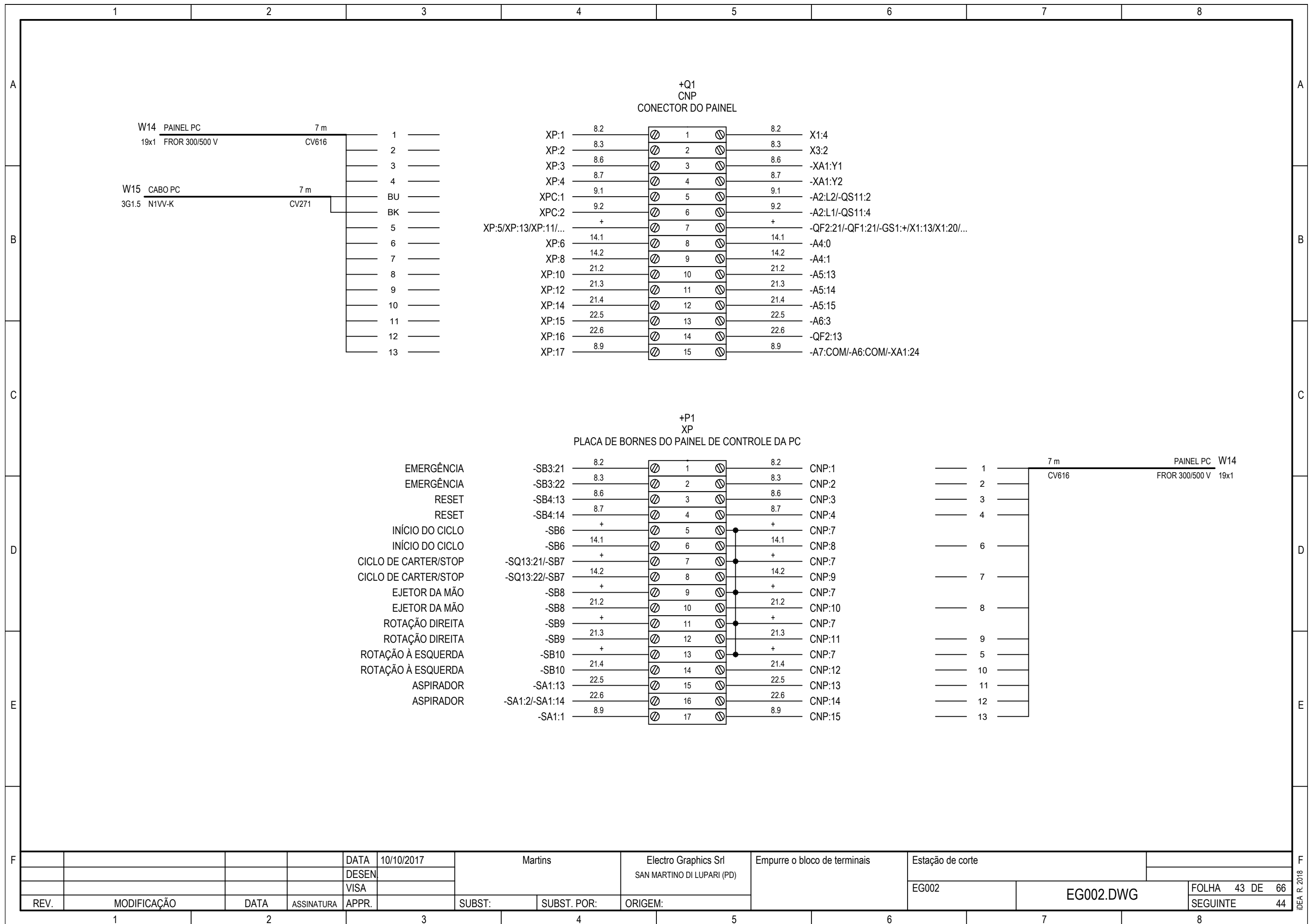
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	EG002	EG002.DWG	FOLHA 40 DE 66	SEGUINTE 41
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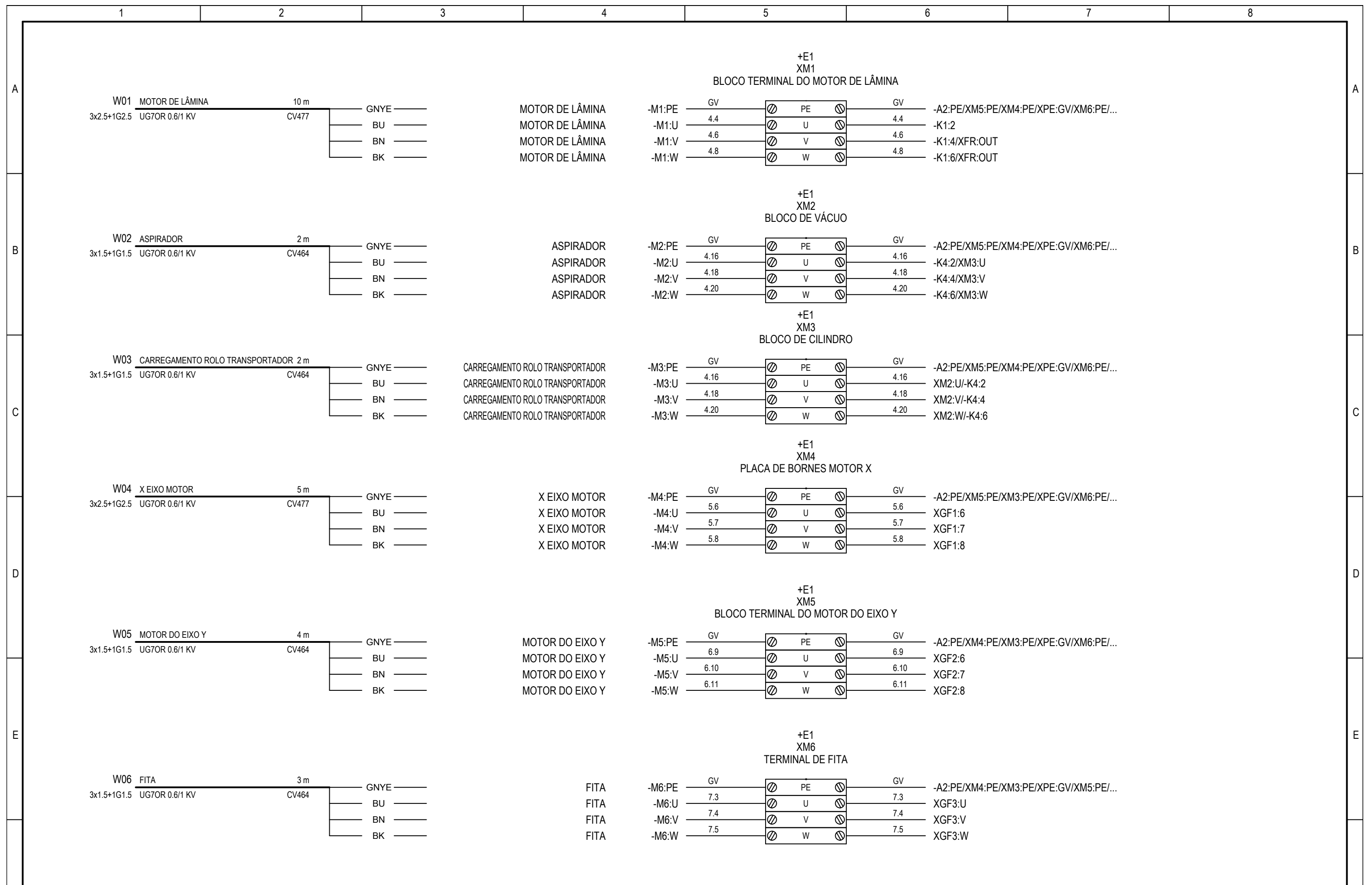
IDEA R. 2018



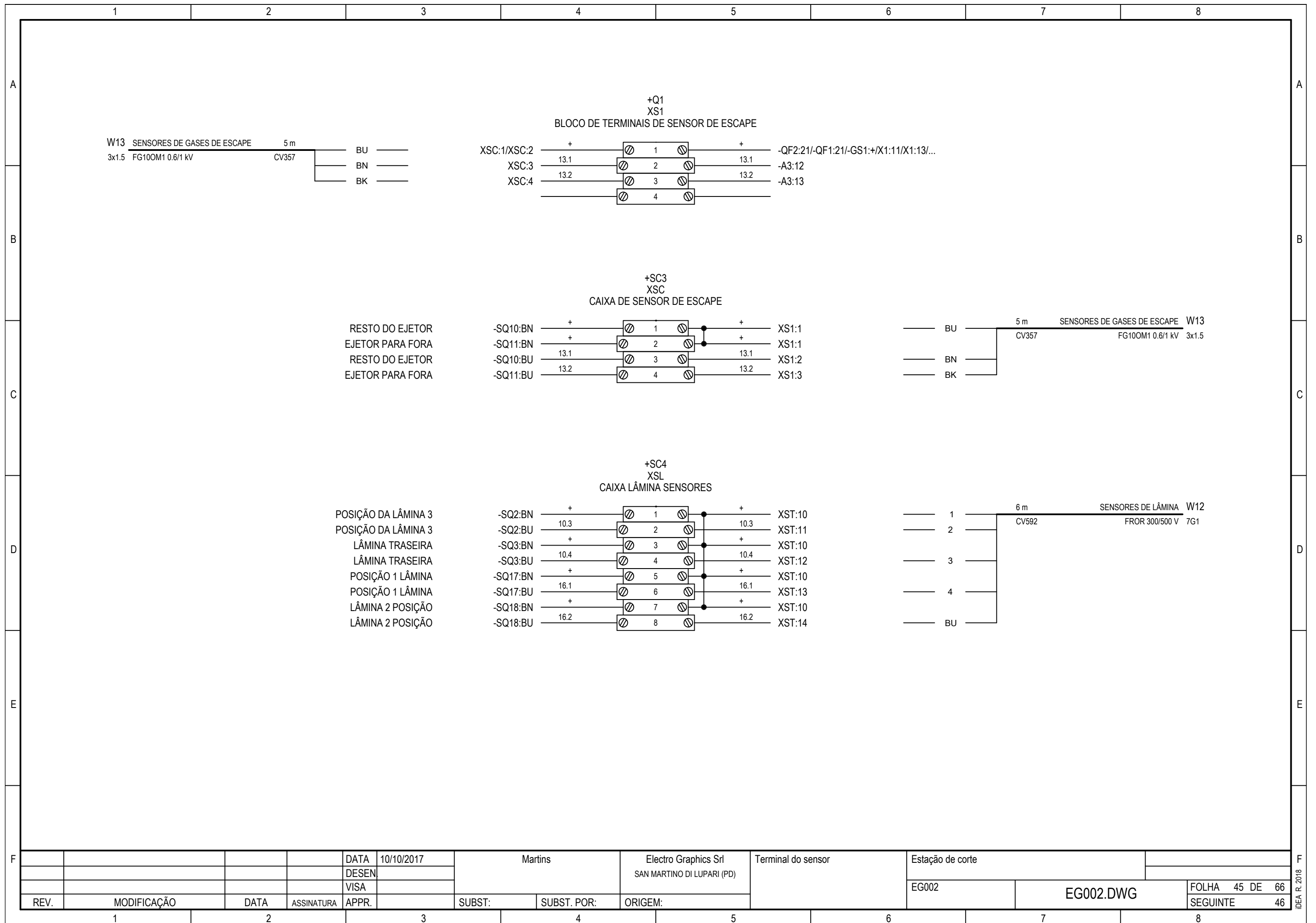








DATA	10/10/2017	Martins		Electro Graphics Srl	Motor borneiras	Estação de corte	
DESEN				SAN MARTINO DI LUPARI (PD)			
VISA						EG002	
APPR.				ORIGEM:		EG002.DWG	FOLHA 44 DE 66
REVISIONS	MODIFICAÇÃO	DATA	ASSINATURA	SUBST:	SUBST. POR:		SEGUINTE 45

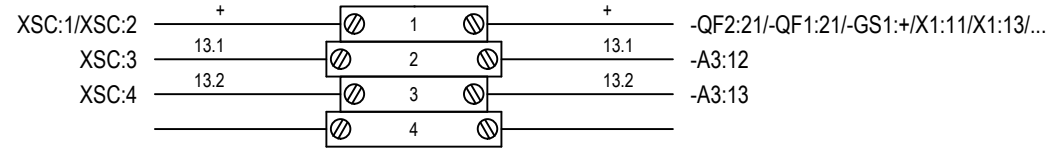


W13 SENSORES DE GASES DE ESCAPE 5 m  
 3x1.5 FG100M1 0.6/1 kV CV357

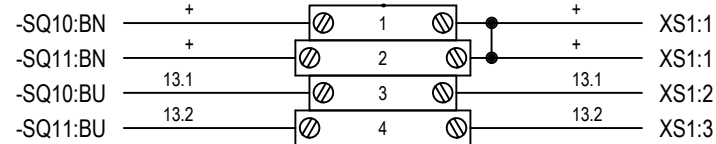
RESTO DO EJETOR  
 EJETOR PARA FORA  
 RESTO DO EJETOR  
 EJETOR PARA FORA

POSIÇÃO DA LÂMINA 3  
 POSIÇÃO DA LÂMINA 3  
 LÂMINA TRASEIRA  
 LÂMINA TRASEIRA  
 POSIÇÃO 1 LÂMINA  
 POSIÇÃO 1 LÂMINA  
 LÂMINA 2 POSIÇÃO  
 LÂMINA 2 POSIÇÃO

+Q1  
 XS1  
 BLOCO DE TERMINAIS DE SENSOR DE ESCAPE

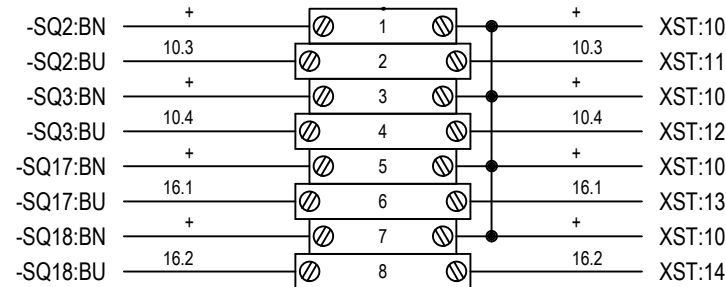


+SC3  
 XSC  
 CAIXA DE SENSOR DE ESCAPE



5 m SENSORES DE GASES DE ESCAPE W13  
 CV357 FG100M1 0.6/1 kV 3x1.5  
 BU  
 BN  
 BK

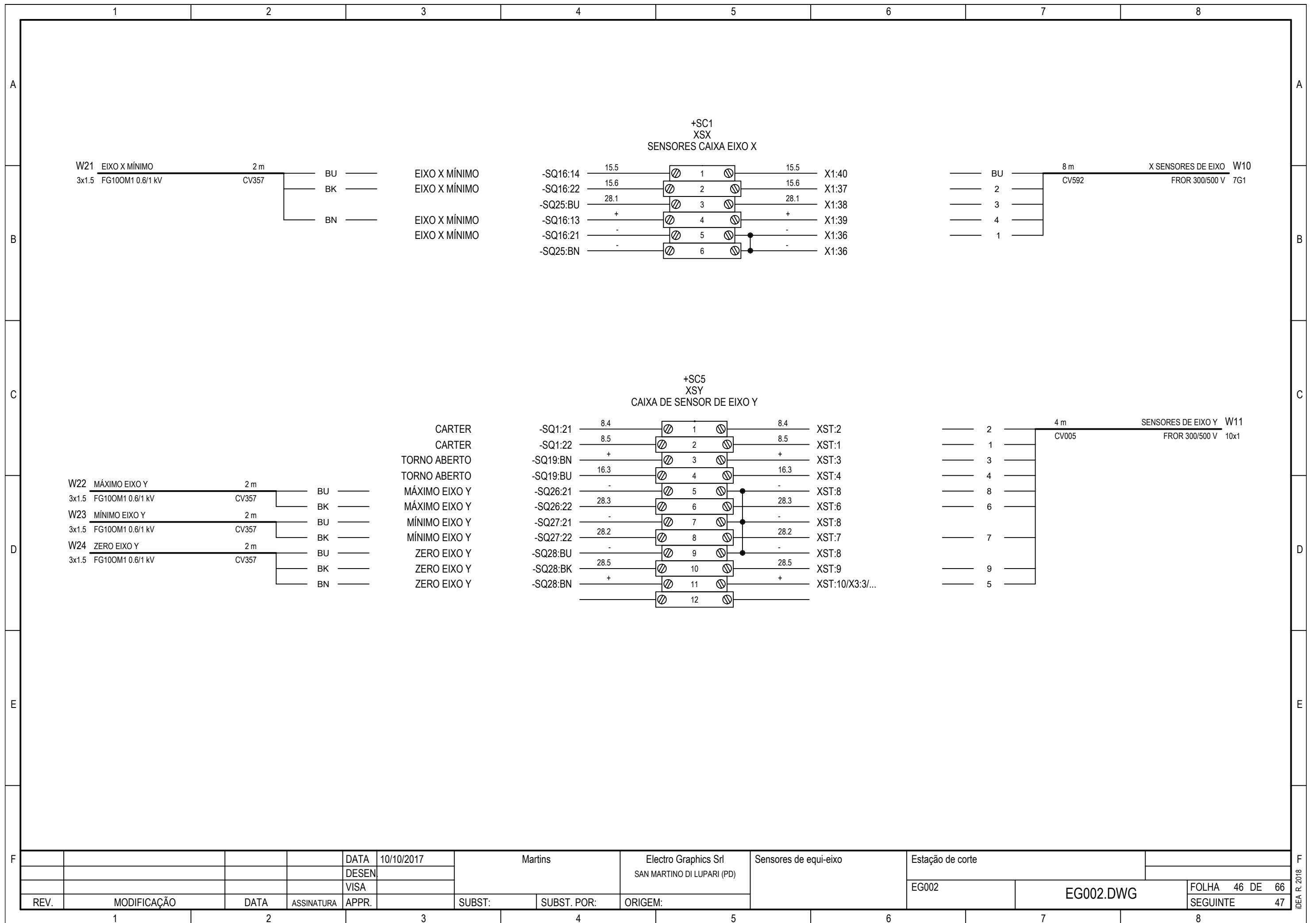
+SC4  
 XSL  
 CAIXA LÂMINA SENSORES



6 m SENSORES DE LÂMINA W12  
 CV592 FROR 300/500 V 7G1  
 1  
 2  
 3  
 4  
 BU

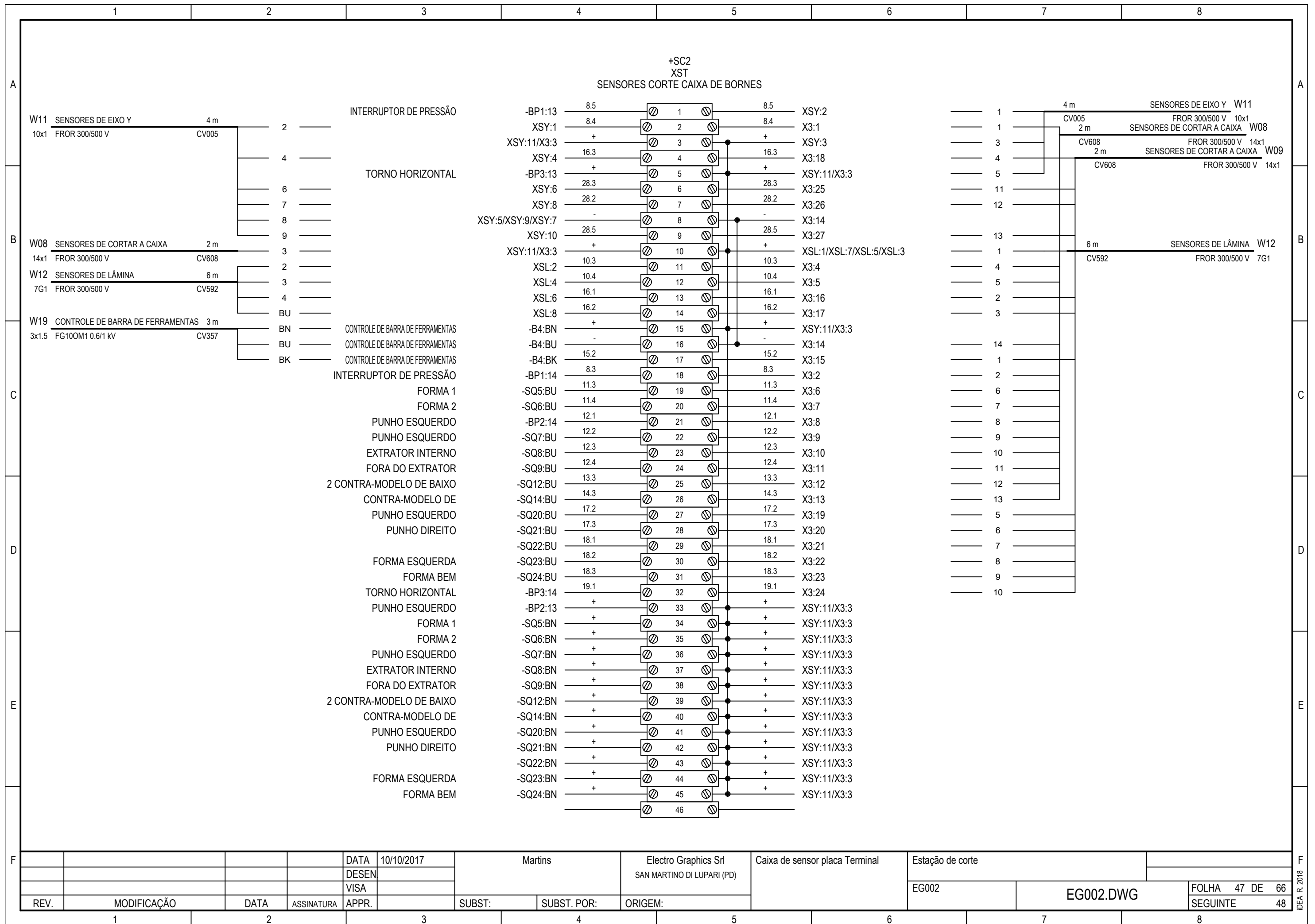
DATA	10/10/2017	Martins		Electro Graphics Srl	Terminal do sensor	Estação de corte	
DESEN				SAN MARTINO DI LUPARI (PD)			
VISA						EG002	
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:
1		2			3	4	5
						EG002.DWG	FOLHA 45 DE 66 SEGUINTE 46

IDEA R. 2018



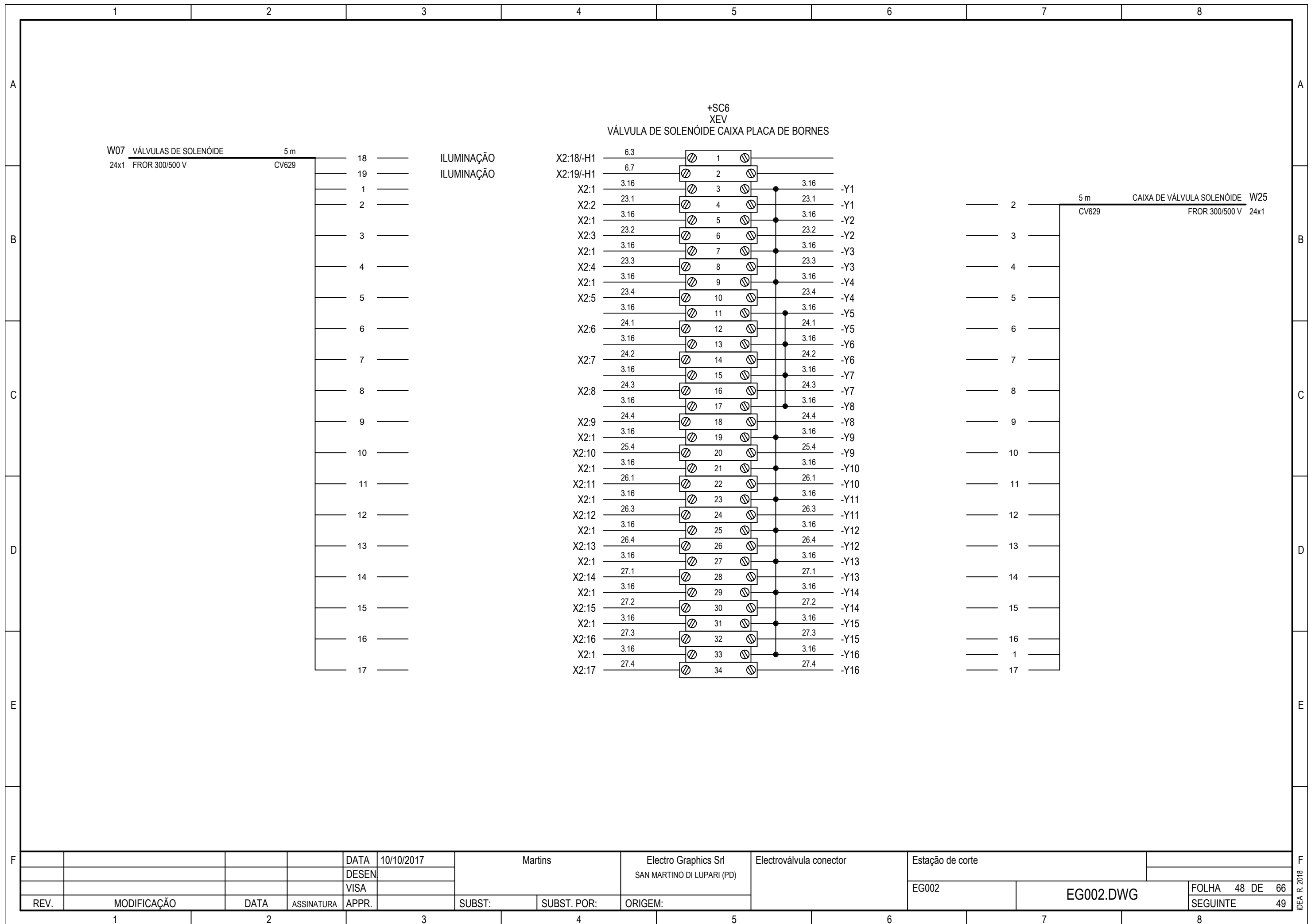
				DATA	10/10/2017	Martins	Electro Graphics Srl SAN MARTINO DI LUPARI (PD)	Sensores de equi-eixo	Estação de corte	
				DESEN						
				VISA						
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:		EG002	EG002.DWG
1										FOLHA 46 DE 66 SEGUINTE 47

IDEA R. 2018



				DATA	10/10/2017	Martins	Electro Graphics Srl	Caixa de sensor placa Terminal	Estação de corte	
				DESEN			SAN MARTINO DI LUPARI (PD)			
				VISA						
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:	EG002	EG002.DWG
1		2			3					FOLHA 47 DE 66
										SEGUINTE 48

IDEA R. 2018



IDEA R. 2018



				CONDUTORES CONDUCTORS				
				Identificador Condutores Single Conductor	Seção mm²			
				Posição Ubication				
	W12	7G1	SENSORES DE LÂMINA	6				
	W09	14x1	SENSORES DE CORTAR A CAIXA					
	W08	14x1	SENSORES CORTE CAIXA DE BORNES					
	W11	10x1	SENSORES DE EIXO Y	4				
N.Cabo Nr.Cable	Formação Formation	Descrição Description	Comprimento Length					
				<b>BORNES XST SENSORES CORTE CAIXA DE BORNES</b>				
				Destino Destination	Bornes Terminal Blocks	Pontes - Junction	Tela - Shield	
				Nível ruído - Noise	Tipo - Type			
				Origem Origin				
				-BP1:13	1			
				XSY:1	2			
				XSY:11/X33	3	1		
				XSY:4	4			
				-BP3:13	5	1		
				XSY:6	6			
				XSY:8	7			
				XSY:5/XSY:9/..	8	2		
				XSY:10	9			
				XSY:11/X33	10	1		
				XSL2	11			
				XSL4	12			
				XSL6	13			
				XSL8	14			
				-B4:BN	15	1		
				-B4:BU	16	2		
				-B4:BK	17			
				-BP1:14	18			
				-SQ5:BU	19			
				-SQ6:BU	20			
				-BP2:14	21			
				-SQ7:BU	22			
				-SQ8:BU	23			
				-SQ9:BU	24			
				-SQ12:BU	25			
				-SQ14:BU	26			
				-SQ20:BU	27			
				-SQ21:BU	28			
				-SQ22:BU	29			
				-SQ23:BU	30			
				-SQ24:BU	31			
				-BP3:14	32			
				-BP2:13	33	1		
				-SQ5:BN	34	1		
				-SQ6:BN	35	1		
				-SQ7:BN	36	1		
				-SQ8:BN	37	1		
				-SQ9:BN	38	1		
				-SQ12:BN	39	1		
				-SQ14:BN	40	1		
				-SQ20:BN	41	1		
				-SQ21:BN	42	1		
				-SQ22:BN	43	1		
				-SQ23:BN	44	1		
				-SQ24:BN	45	1		
					46			
N.Cabo Nr.Cable	Formação Formation	Descrição Description	Comprimento Length					
	W11	10x1	SENSORES DE EIXO Y	4				
	W08	14x1	SENSORES DE CORTAR A CAIXA					
	W12	7G1	SENSORES DE LÂMINA	6				
	W19	3x1.5	CONTROLE DE BARRA DE FERRAMENTAS					
<b>DESCRIÇÃO DESCRIPTION</b>								
				INTERRUPTOR DE PRESSÃO				
				TORNO HORIZONTAL				
				CONTROLADOR DE BARRA DE FERRAMENTAS				
				CONTROLADOR DE BARRA DE FERRAMENTAS				
				CONTROLADOR DE BARRA DE FERRAMENTAS				
				INTERRUPTOR DE PRESSÃO				
				FORMA 1				
				FORMA 2				
				PUNHO ESQUERDO				
				PUNHO ESQUERDO				
				EXTRATOR INTERNO				
				FORA DO EXTRATOR				
				2 CONTRA-MODELO DE BAIXO				
				CONTRA-MODELO DE				
				PUNHO ESQUERDO				
				PUNHO DIREITO				
				FORMA ESQUERDA				
				FORMA BEM				
				TORNO HORIZONTAL				
				PUNHO ESQUERDO				
				FORMA 1				
				FORMA 2				
				PUNHO ESQUERDO				
				EXTRATOR INTERNO				
				FORA DO EXTRATOR				
				2 CONTRA-MODELO DE BAIXO				
				CONTRA-MODELO DE				
				PUNHO ESQUERDO				
				PUNHO DIREITO				
				FORMA ESQUERDA				
				FORMA BEM				



1	2	3	4	5	6	7	8		
+SC2 XST SENSORES CORTE CAIXA DE BORNES									
Pino	Fio	Seção	Cor	Designação	Descrição	Destino	Origem	Posição	Notas
1	8.5	1.5	RD	N1VV-K	INTERRUPTOR DE PRESSÃO	-B1:13	XSY:2	8/D3	
2	8.4	1.5	RD	N1VV-K		XSY:1	X3:1	8/B3	
3	+	1.5	RD	N1VV-K		XSY:3	XST:41/XST:42/XST:40	16/B5	
4	16.3	1.5	BU	N1VV-K		XSY:4	X3:18	16/D5	
5	+	1.5	RD	N1VV-K	TORNO HORIZONTAL	-B7:13	XST:3/XST:41/XST:40	19/C2	
6	28.3	1.5	BU	N1VV-K		XSY:6	X3:25	28/E5	
7	28.2	1.5	BU	N1VV-K		XSY:8	X3:26	28/E6	
8	-	1.5	BU	N1VV-K		XSY:9/XSY:7/XSY:5	XST:16/X3:14	28/C7	
9	28.5	1.5	BU	N1VV-K		XSY:10	X3:27	28/E7	
10	+	1.5	RD	N1VV-K		XSL:5/XSL:7/...	XST:41/XST:42/XST:15	10/B6	
11	10.3	1.5	BU	N1VV-K		XSL:2	X3:4	10/D6	
12	10.4	1.5	BU	N1VV-K		XSL:4	X3:5	10/D8	
13	16.1	1.5	BU	N1VV-K		XSL:6	X3:16	16/D2	
14	16.2	1.5	BU	N1VV-K		XSL:8	X3:17	16/D4	
15	+	1.5	RD	N1VV-K	CONTROLE DE BARRA DE FERRAMENTAS	-B6:BN	XST:41/XST:42/XST:40	15/B4	
16	-	1.5	BU	N1VV-K	CONTROLE DE BARRA DE FERRAMENTAS	-B6:BU	XST:8/X3:14	15/B3	
17	15.2	1.5	BU	N1VV-K	CONTROLE DE BARRA DE FERRAMENTAS	-B6:BK	X3:15	15/C4	
18	8.3	1.5	RD	N1VV-K	INTERRUPTOR DE PRESSÃO	-B1:14	X3:2	8/E3	
19	11.3	1.5	BU	N1VV-K	FORMA 1	-S10:BU	X3:6	11/C5	
20	11.4	1.5	BU	N1VV-K	FORMA 2	-S11:BU	X3:7	11/C7	
21	12.1	1.5	BU	N1VV-K	PUNHO ESQUERDO	-B4:14	X3:8	12/C2	
22	12.2	1.5	BU	N1VV-K	PUNHO ESQUERDO	-S12:BU	X3:9	12/C4	
23	12.3	1.5	BU	N1VV-K	EXTRATOR INTERNO	-S13:BU	X3:10	12/C5	
24	12.4	1.5	BU	N1VV-K	FORA DO EXTRATOR	-S14:BU	X3:11	12/C7	
25	13.3	1.5	BU	N1VV-K	2 CONTRA-MODELO DE BAIXO	-S17:BU	X3:12	13/C7	
26	14.3	1.5	BU	N1VV-K	CONTRA-MODELO DE	-S21:BU	X3:13	14/C6	
27	17.2	1.5	BU	N1VV-K	PUNHO ESQUERDO	-S27:BU	X3:19	17/C4	
28	17.3	1.5	BU	N1VV-K	PUNHO DIREITO	-S28:BU	X3:20	17/C5	
29	18.1	1.5	BU	N1VV-K		-S29:BU	X3:21	18/C2	
30	18.2	1.5	BU	N1VV-K	FORMA ESQUERDA	-S30:BU	X3:22	18/C5	
31	18.3	1.5	BU	N1VV-K	FORMA BEM	-S31:BU	X3:23	18/C6	
32	19.1	1.5	BU	N1VV-K	TORNO HORIZONTAL	-B7:14	X3:24	19/D2	
33	+	1.5	RD	N1VV-K	PUNHO ESQUERDO	-B4:13	XST:41/XST:42/XST:15	12/B2	
34	+	1.5	RD	N1VV-K	FORMA 1	-S10:BN	XST:41/XST:42/XST:15	11/B5	
35	+	1.5	RD	N1VV-K	FORMA 2	-S11:BN	XST:41/XST:42/XST:15	11/B7	
36	+	1.5	RD	N1VV-K	PUNHO ESQUERDO	-S12:BN	XST:41/XST:42/XST:15	12/B4	
37	+	1.5	RD	N1VV-K	EXTRATOR INTERNO	-S13:BN	XST:41/XST:42/XST:15	12/B5	
38	+	1.5	RD	N1VV-K	FORA DO EXTRATOR	-S14:BN	XST:41/XST:42/XST:15	12/B7	
39	+	1.5	RD	N1VV-K	2 CONTRA-MODELO DE BAIXO	-S17:BN	XST:41/XST:42/XST:15	13/C7	
40	+	1.5	RD	N1VV-K	CONTRA-MODELO DE	-S21:BN	XST:41/XST:42/XST:15	14/C6	
41	+	1.5	RD	N1VV-K	PUNHO ESQUERDO	-S27:BN	XST:34/XST:15/XST:43	17/B4	
42	+	1.5	RD	N1VV-K	PUNHO DIREITO	-S28:BN	XST:3/XST:43/XST:40	17/B5	
43	+	1.5	RD	N1VV-K		-S29:BN	XST:3/XST:41/XST:40	18/B2	
44	+	1.5	RD	N1VV-K	FORMA ESQUERDA	-S30:BN	XST:3/XST:41/XST:40	18/B5	
45	+	1.5	RD	N1VV-K	FORMA BEM	-S31:BN	XST:3/XST:41/XST:40	18/B6	
46		1.5							
REV.		MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	
1									
DATA		10/10/2017	Martins		Electro Graphics Srl	Barra de bornes	Estação de corte		
DESEN					SAN MARTINO DI LUPARI (PD)				
VISA									
EG002		EG002.DWG		FOLHA 51 DE 66					
				SEGUINTE		52			

IDEA R. 2018



PAINEL - BOARD				PLANTA EXTERNA EXTERNAL WIRING				DESTINAÇÃO LOCATION				
REF.DIS.N. DWG.N.	CONDUTORES CONDUCTORS		BORNES TERMINAL BLOCKS  SIGLA ITEM	IDENTIFIC. CABO SINGLE IN CABLE	CABOS EXTERNOS EXTERNAL CABLES		IDENTIFIC. CABO SINGLE IN CABLE	COLLEG. ESTERNI EXTERNAL LAYOUT			DESCRIÇÃO DESCRIPTION	
	PG. POS.-ITEM	SEÇÃO SECTION mm2			IDENTIFIC. CONDUTORE SINGLE CONDUCTOR	N.CABO - Nr.CABLE N.CONDUCTORES x SEÇÃO Nr.CONDUCTORS x SECT.		COMPRIMENTO LENGHT m.	NÍVEL RUÍDO NOISE LEVEL	IDENTIFIC. CONDUTORES SINGLE CONDUCTOR		BORNES EXTERNOS EXTERNAL TERM. BLOCK
4/E3	2.5	4.4	XM1:U	BU	W01 MOTOR DE LÂMINA 3x2.5+1G2.5 UG70R 0.6/1 KV	10 m	01	CV477	BU	4.4	-M1:U	MOTORE LAMA
4/E3	2.5	4.6	XM1:V	BN					4.6	-M1:V	MOTORE LAMA	
4/E3	2.5	4.8	XM1:W	BK					4.8	-M1:W	MOTORE LAMA	
4/E3	2.5	GV	XM1:PE	GNYE					GV	-M1:PE	MOTORE LAMA	
4/E6	1.5	4.16	XM2:U	BU	W02 ASPIRADOR 3x1.5+1G1.5 UG70R 0.6/1 KV	2 m	01	CV464	BU	4.16	-M2:U	ASPIRATORE
4/E6	1.5	4.18	XM2:V	BN					4.18	-M2:V	ASPIRATORE	
4/E6	1.5	4.20	XM2:W	BK					4.20	-M2:W	ASPIRATORE	
4/E6	1.5	GV	XM2:PE	GNYE					GV	-M2:PE	ASPIRATORE	
4/E7	1.5	4.16	XM3:U	BU	W03 CARREGAMENTO ROLO TRANSPORTADOR 3x1.5+1G1.5 UG70R 0.6/1 KV		01	CV464	BU	4.16	-M3:U	RULLIERA CARICO
4/E7	1.5	4.18	XM3:V	BN					4.18	-M3:V	RULLIERA CARICO	
4/E8	1.5	4.20	XM3:W	BK					4.20	-M3:W	RULLIERA CARICO	
4/E8	1.5	GV	XM3:PE	GNYE					GV	-M3:PE	RULLIERA CARICO	
5/E7	2.5	5.6	XM4:U	BU	W04 X EIXO MOTOR 3x2.5+1G2.5 UG70R 0.6/1 KV	5 m	01	CV477	BU	5.6	-M4:U	MOTORE ASSE X
5/E7	2.5	5.7	XM4:V	BN					5.7	-M4:V	MOTORE ASSE X	
5/E7	2.5	5.8	XM4:W	BK					5.8	-M4:W	MOTORE ASSE X	
5/E7	2.5	GV	XM4:PE	GNYE					GV	-M4:PE	MOTORE ASSE X	
6/E7	1.5	6.9	XM5:U	BU	W05 MOTOR DO EIXO Y 3x1.5+1G1.5 UG70R 0.6/1 KV	4 m	01	CV464	BU	6.9	-M5:U	MOTORE ASSE Y
6/E7	1.5	6.10	XM5:V	BN					6.10	-M5:V	MOTORE ASSE Y	
6/E7	1.5	6.11	XM5:W	BK					6.11	-M5:W	MOTORE ASSE Y	
6/E7	1.5	GV	XM5:PE	GNYE					GV	-M5:PE	MOTORE ASSE Y	
7/E4	1.5	7.3	XM6:U	BU	W06 FITA 3x1.5+1G1.5 UG70R 0.6/1 KV	3 m	01	CV464	BU	7.3	-M6:U	NASTRO
7/E4	1.5	7.4	XM6:V	BN					7.4	-M6:V	NASTRO	
7/E4	1.5	7.5	XM6:W	BK					7.5	-M6:W	NASTRO	
7/E4	1.5	GV	XM6:PE	GNYE					GV	-M6:PE	NASTRO	

SEÇÃO CONDUTORES  
CONDUCTORS SECTION ARE IN

mm2

EXECUTAR A LIGAÇÃO À TERRA !!!  
CONNECT TO GROUND !!!

DATA	10/10/2017	Martins		Electro Graphics Srl SAN MARTINO DI LUPARI (PD)	Tabela de cabos	Estação de corte	
DESEN							
VISA							
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:

EG002

EG002.DWG

FOLHA 54 DE 66  
SEGUINTE 55

PAINEL - BOARD				PLANTA EXTERNA EXTERNAL WIRING				DESTINAÇÃO LOCATION				
REF.DIS.N. DWG.N.	CONDUTORES CONDUCTORS		BORNES TERMINAL BLOCKS	CABOS EXTERNOS EXTERNAL CABLES				COLLEG. ESTERNI EXTERNAL LAYOUT				
PG. POS.-ITEM	SEÇÃO SECTION mm2	IDENTIFIC. CONDUTORE SINGLE CONDUCTOR	SIGLA ITEM	IDENTIFIC. CABO SINGLE IN CABLE	N.CABO - Nr.CABLE N.CONDUCTORES x SEÇÃO Nr.CONDUCTORS x SECT.	COMPRIMENTO LENGHT m.	NÍVEL RUÍDO NOISE LEVEL	IDENTIFIC. CABO SINGLE IN CABLE	IDENTIFIC. CONDUTORES SINGLE CONDUCTOR	BORNES EXTERNOS EXTERNAL TERM. BLOCK	SIGLA ITEM	DESCRIÇÃO DESCRIPTION
23/D2	1.5	3.16	X2:1	1				1	3.16		XEV:3	
23/B2	1.5	23.1	X2:2	2				2	23.1		XEV:4	
23/B3	1.5	23.2	X2:3	3				3	23.2		XEV:6	
23/B5	1.5	23.3	X2:4	4				4	23.3		XEV:8	
23/B7	1.5	23.4	X2:5	5				5	23.4		XEV:10	
24/B2	1.5	24.1	X2:6	6				6	24.1		XEV:12	
24/B3	1.5	24.2	X2:7	7				7	24.2		XEV:14	
24/B5	1.5	24.3	X2:8	8				8	24.3		XEV:16	
24/B7	1.5	24.4	X2:9	9				9	24.4		XEV:18	
25/B7	1.5	25.4	X2:10	10	W07 VÁLVULAS DE SOLENÓIDE	5 m	3	10	25.4		XEV:20	
26/B2	1.5	26.1	X2:11	11	24x1 FROR 300/500 V		CV629	11	26.1		XEV:22	
26/B5	1.5	26.3	X2:12	12				12	26.3		XEV:24	
26/B7	1.5	26.4	X2:13	13				13	26.4		XEV:26	
27/B2	1.5	27.1	X2:14	14				14	27.1		XEV:28	
27/B3	1.5	27.2	X2:15	15				15	27.2		XEV:30	
27/B5	1.5	27.3	X2:16	16				16	27.3		XEV:32	
27/B7	1.5	27.4	X2:17	17				17	27.4		XEV:34	
9/C2	1.5	6.3	X2:18	18				18	6.3		XEV:1	
9/C2	1.5	6.7	X2:19	19				19	6.7		XEV:2	
8/B3	1.5	8.4	X3:1	1				1	8.4		XST:2	
8/E3	1.5	8.3	X3:2	2				2	8.3		XST:18	
10/A6	1.5	+	X3:3	3				3	+		XST:10	
10/D6	1.5	10.3	X3:4	4				4	10.3		XST:11	
10/D8	1.5	10.4	X3:5	5				5	10.4		XST:12	
11/D5	1.5	11.3	X3:6	6				6	11.3		XST:19	
11/D7	1.5	11.4	X3:7	7	W08 SENSORES DE CORTAR A CAIXA	2 m	3	7	11.4		XST:20	
12/D2	1.5	12.1	X3:8	8	14x1 FROR 300/500 V		CV608	8	12.1		XST:21	
12/D4	1.5	12.2	X3:9	9				9	12.2		XST:22	
12/D5	1.5	12.3	X3:10	10				10	12.3		XST:23	
12/D7	1.5	12.4	X3:11	11				11	12.4		XST:24	
13/D7	1.5	13.3	X3:12	12				12	13.3		XST:25	
14/D6	1.5	14.3	X3:13	13				13	14.3		XST:26	
15/B3	1.5	-	X3:14	14				14	-		XST:16	

SEÇÃO CONDUTORES  
CONDUCTORS SECTION ARE IN

mm2

EXECUTAR A LIGAÇÃO À TERRA !!!  
CONNECT TO GROUND !!!

DATA	10/10/2017	Martins	Electro Graphics Srl SAN MARTINO DI LUPARI (PD)	Tabela de cabos	Estação de corte
DESEN					
VISA					
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST: SUBST. POR: ORIGEM:
					EG002
					EG002.DWG
					FOLHA 55 DE 66 SEGUINTE 56

PAINEL - BOARD				PLANTA EXTERNA EXTERNAL WIRING				DESTINAÇÃO LOCATION				
REF.DIS.N. DWG.N.	CONDUTORES CONDUCTORS		BORNES TERMINAL BLOCKS  SIGLA ITEM	IDENTIFIC. CABO SINGLE IN CABLE	N.CABO - Nr.CABLE  N.CONDUCTORES x SEÇÃO Nr.CONDUCTORS x SECT.	COMPRIMENTO LENGHT m.	NÍVEL RUÍDO NOISE LEVEL	IDENTIFIC. CABO SINGLE IN CABLE	IDENTIFIC. CONDUTORES SINGLE CONDUCTOR	BORNES EXTERNOS EXTERNAL TERM. BLOCK	SIGLA ITEM	DESCRIÇÃO DESCRIPTION
	PG. POS.-ITEM	SEÇÃO SECTION mm2										
15/D4	1.5	15.2	X3:15	1				1	15.2		XST:17	
16/D2	1.5	16.1	X3:16	2				2	16.1		XST:13	
16/D4	1.5	16.2	X3:17	3				3	16.2		XST:14	
16/D5	1.5	16.3	X3:18	4				4	16.3		XST:4	
17/D4	1.5	17.2	X3:19	5				5	17.2		XST:27	
17/D5	1.5	17.3	X3:20	6				6	17.3		XST:28	
18/D2	1.5	18.1	X3:21	7	W09	SENSORES DE CORTAR A CAIXA 2 m	3	7	18.1		XST:29	
18/D5	1.5	18.2	X3:22	8	14x1	FROR 300/500 V	CV608	8	18.2		XST:30	
18/D6	1.5	18.3	X3:23	9				9	18.3		XST:31	
19/D2	1.5	19.1	X3:24	10				10	19.1		XST:32	
28/E5	1.5	28.3	X3:25	11				11	28.3		XST:6	
28/E6	1.5	28.2	X3:26	12				12	28.2		XST:7	
28/E7	1.5	28.5	X3:27	13				13	28.5		XST:9	
28/C1	1.5	-	X1:36	1				1	-		XSX:5	
28/B2	1.5	15.6	X1:37	2	W10	X SENSORES DE EIXO 8 m	3	2	15.6		XSX:2	
28/E1	1.5	28.1	X1:38	3	7G1	FROR 300/500 V	CV592	3	28.1		XSX:3	
15/B7	1.5	+	X1:39	4				4	+		XSX:4	
15/D7	1.5	15.5	X1:40	BU				BU	15.5		XSX:1	
8/D3	1.5	8.5	XST:1	1				1	8.5		XSY:2	
8/B3	1.5	8.4	XST:2	2				2	8.4		XSY:1	
16/B5	1.5	+	XST:3	3				3	+		XSY:3	
16/D5	1.5	16.3	XST:4	4	W11	SENSORES DE EIXO Y 4 m	3	4	16.3		XSY:4	
19/C2	1.5	+	XST:5	5	10x1	FROR 300/500 V	CV005	5	+		XSY:11	
28/E5	1.5	28.3	XST:6	6				6	28.3		XSY:6	
28/E6	1.5	28.2	XST:7	7				7	28.2		XSY:8	
28/C7	1.5	-	XST:8	8				8	-		XSY:5	
28/E7	1.5	28.5	XST:9	9				9	28.5		XSY:10	
10/B6	1.5	+	XST:10	1				1	+		XSL:1	
10/D6	1.5	10.3	XST:11	2	W12	SENSORES DE LÂMINA 6 m	3	2	10.3		XSL:2	
10/D8	1.5	10.4	XST:12	3	7G1	FROR 300/500 V	CV592	3	10.4		XSL:4	
16/D2	1.5	16.1	XST:13	4				4	16.1		XSL:6	
16/D4	1.5	16.2	XST:14	BU				BU	16.2		XSL:8	

SEÇÃO CONDUTORES  
CONDUCTORS SECTION ARE IN

mm2

EXECUTAR A LIGAÇÃO À TERRA !!!  
CONNECT TO GROUND !!!

DATA	10/10/2017	Martins	Electro Graphics Srl SAN MARTINO DI LUPARI (PD)	Tabela de cabos	Estação de corte
DESEN					
VISA					
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	EG002
					EG002.DWG
					FOLHA 56 DE 66
					SEGUINTE 57

PAINEL - BOARD				PLANTA EXTERNA EXTERNAL WIRING				DESTINAÇÃO LOCATION						
REF.DIS.N. DWG.N.	CONDUTORES CONDUCTORS		BORNES TERMINAL BLOCKS	CABOS EXTERNOS EXTERNAL CABLES				COLLEG. ESTERNI EXTERNAL LAYOUT						
PG. POS.-ITEM	SEÇÃO SECTION mm2	IDENTIFIC. CONDUTORE SINGLE CONDUCTOR	SIGLA ITEM	IDENTIFIC. CABO SINGLE IN CABLE	N.CABO - Nr.CABLE N.CONDUCTORES x SEÇÃO Nr.CONDUCTORS x SECT.	COMPRIMENTO LENGHT m.	NÍVEL RUÍDO NOISE LEVEL	IDENTIFIC. CABO SINGLE IN CABLE	IDENTIFIC. CONDUTORES SINGLE CONDUCTOR	BORNES EXTERNOS EXTERNAL TERM. BLOCK	SIGLA ITEM	DESCRIÇÃO DESCRIPTION		
13/B2	1.5	+	XS1:1	BU	W13 SENSORES DE GASES DE ESCAPE 3x1.5 FG100M1 0.6/1 kV	5 m	3	BU	+		XSC:1			
13/D2	1.5	13.1	XS1:2	BN						BN	13.1		XSC:3	
13/D4	1.5	13.2	XS1:3	BK						BK	13.2		XSC:4	
8/D2	1.5	8.2	CNP:1	1	W14 PAINEL PC 19x1 FROR 300/500 V	7 m	4a	1	8.2		XP:1			
8/E2	1.5	8.3	CNP:2	2						2	8.3		XP:2	
8/B5	1.5	8.6	CNP:3	3						3	8.6		XP:3	
8/D5	1.5	8.7	CNP:4	4						4	8.7		XP:4	
14/B2	1.5	+	CNP:7	5						5	+		XP:13	
14/D2	1.5	14.1	CNP:8	6						6	14.1		XP:6	
14/D4	1.5	14.2	CNP:9	7						7	14.2		XP:8	
21/D4	1.5	21.2	CNP:10	8						8	21.2		XP:10	
21/D5	1.5	21.3	CNP:11	9						9	21.3		XP:12	
21/D7	1.5	21.4	CNP:12	10						10	21.4		XP:14	
22/B7	1.5	22.5	CNP:13	11						11	22.5		XP:15	
22/D7	1.5	22.6	CNP:14	12						12	22.6		XP:16	
22/D8	1.5	8.9	CNP:15	13						13	8.9		XP:17	
9/C6	1.5	9.1	CNP:5	BU	W15 CABO PC 3G1.5 N1VV-K	7 m	5	BU	9.1		XPC:1			
9/C6	1.5	9.2	CNP:6	BK						BK	9.2		XPC:2	
10/B3	1.5	-	X1:5	BU	W16 INICIAR O PERFIL DE CARGA 3x1.5 FG100M1 0.6/1 kV	8 m	3	BU	-		-B1:BU	INIZIO CARICO		
10/B3	1.5	+	X1:6	BN						BN	+		-B1:BN	INIZIO CARICO
10/C3	1.5	10.1	X1:9	BK						BK	10.1		-B1:BK	INIZIO CARICO
10/B5	1.5	-	X1:7	BU	W17 PERFIL DE CENTRO DE CARGA 3x1.5 FG100M1 0.6/1 kV	8 m	3	BU	-		-B2:BU	CENTRO CARICO		
10/B5	1.5	+	X1:8	BN						BN	+		-B2:BN	CENTRO CARICO
10/C5	1.5	10.2	X1:10	BK						BK	10.2		-B2:BK	CENTRO CARICO
14/C7	1.5	-	X1:19	BU	W18 PERFIL DE CARGA FINAL 3x1.5 FG100M1 0.6/1 kV	8 m	3	BU	-		-B3:BU	PRESENZA PROFILO		
14/C7	1.5	+	X1:20	BN						BN	+		-B3:BN	PRESENZA PROFILO
14/C7	1.5	14.4	X1:21	BK						BK	14.4		-B3:BK	PRESENZA PROFILO
15/B3	1.5	-	XST:16	BU	W19 CONTROLE DE BARRA DE FERRAMENTAS 3x1.5 FG100M1 0.6/1 kV		3	BU	-		-B4:BU	CONTROLLO BARRA		
15/B4	1.5	+	XST:15	BN						BN	+		-B4:BN	CONTROLLO BARRA
15/C4	1.5	15.2	XST:17	BK						BK	15.2		-B4:BK	CONTROLLO BARRA

SEÇÃO CONDUTORES  
CONDUCTORS SECTION ARE IN

mm2

EXECUTAR A LIGAÇÃO À TERRA !!!  
CONNECT TO GROUND !!!

DATA	10/10/2017	Martins	Electro Graphics Srl	Tabela de cabos	Estação de corte				
DESEN			SAN MARTINO DI LUPARI (PD)						
VISA									
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	EG002	EG002.DWG
									FOLHA 57 DE 66
									SEGUINTE 58



PAINEL - BOARD				PLANTA EXTERNA EXTERNAL WIRING				DESTINAÇÃO LOCATION				
REF.DIS.N. DWG.N.	CONDUTORES CONDUCTORS		BORNES TERMINAL BLOCKS	CABOS EXTERNOS EXTERNAL CABLES				COLLEG. ESTERNI EXTERNAL LAYOUT				
PG. POS.-ITEM	SEÇÃO SECTION mm2	IDENTIFIC. CONDUTORE SINGLE CONDUCTOR	SIGLA ITEM	IDENTIFIC. CABO SINGLE IN CABLE	N.CABO - Nr.CABLE N.CONDUCTORES x SEÇÃO Nr.CONDUCTORS x SECT.	COMPRIMENTO LENGHT m.	NÍVEL RUÍDO NOISE LEVEL	IDENTIFIC. CABO SINGLE IN CABLE	IDENTIFIC. CONDUTORES SINGLE CONDUCTOR	BORNES EXTERNOS EXTERNAL TERM. BLOCK	SIGLA ITEM	DESCRIÇÃO DESCRIPTION
15/C5	1.5	15.3	X1:17	BU	W20 MÁXIMA EIXO X 3x1.5 FG100M1 0.6/1 KV	8 m	3	BU	15.3		-SQ15:14	MASSIMO ASSE X
15/B5	1.5	+	X1:15	BN				BN	+	-SQ15:13	MASSIMO ASSE X	
15/C5	1.5	15.4	X1:18	BK				BK	15.4	-SQ15:22	MASSIMO ASSE X	
15/C7	1.5	15.5	XSX:1	BU	W21 EIXO X MÍNIMO 3x1.5 FG100M1 0.6/1 KV	2 m	3	BU	15.5		-SQ16:14	MINIMO ASSE X
15/B7	1.5	+	XSX:4	BN				BN	+	-SQ16:13	MINIMO ASSE X	
15/C7	1.5	15.6	XSX:2	BK				BK	15.6	-SQ16:22	MINIMO ASSE X	
28/D5	1.5	-	XSY:5	BU	W22 MÁXIMO EIXO Y 3x1.5 FG100M1 0.6/1 KV	2 m	3	BU	-		-SQ26:21	MASSIMO ASSE Y
28/D5	1.5	28.3	XSY:6	BK				BK	28.3	-SQ26:22	MASSIMO ASSE Y	
28/D6	1.5	-	XSY:7	BU	W23 MÍNIMO EIXO Y 3x1.5 FG100M1 0.6/1 KV	2 m	3	BU	-		-SQ27:21	MINIMO ASSE Y
28/D6	1.5	28.2	XSY:8	BK				BK	28.2	-SQ27:22	MINIMO ASSE Y	
28/D7	1.5	-	XSY:9	BU	W24 ZERO EIXO Y 3x1.5 FG100M1 0.6/1 KV	2 m	3	BU	-		-SQ28:BU	ZERO ASSE Y
28/D7	1.5	+	XSY:11	BN				BN	+	-SQ28:BN	ZERO ASSE Y	
28/E7	1.5	28.5	XSY:10	BK				BK	28.5	-SQ28:BK	ZERO ASSE Y	
27/D7	1.5	3.16	XEV:33	1	W25 CAIXA DE VÁLVULA SOLENÓIDE 24x1 FROR 300/500 V	5 m	3	1	3.16		-Y16	USCITA CONTROSAGOMA
23/C2	1.5	23.1	XEV:4	2				2	23.1	-Y1	CONTROSAGOMA 1	
23/C3	1.5	23.2	XEV:6	3				3	23.2	-Y2	MORSA DESTRA	
23/C5	1.5	23.3	XEV:8	4				4	23.3	-Y3	MORSA SINISTRA	
23/C7	1.5	23.4	XEV:10	5				5	23.4	-Y4	CONTROSAGOMA 2	
24/C2	1.5	24.1	XEV:12	6				6	24.1	-Y5	COMANDO ESTRATTORE	
24/C3	1.5	24.2	XEV:14	7				7	24.2	-Y6	COMANDO ESPULSORE	
24/C5	1.5	24.3	XEV:16	8				8	24.3	-Y7	USCITA CONTROSAGOMA SX	
24/C7	1.5	24.4	XEV:18	9				9	24.4	-Y8	SALITA LAMA	
25/C7	1.5	25.4	XEV:20	10				10	25.4	-Y9	APERTURA MORSA	
26/D2	1.5	26.1	XEV:22	11				11	26.1	-Y10	CHIUSURA MORSA	
26/D5	1.5	26.3	XEV:24	12				12	26.3	-Y11	CHIUSURA MORSA	
26/D7	1.5	26.4	XEV:26	13				13	26.4	-Y12	APERTURA MORSA	
27/D2	1.5	27.1	XEV:28	14				14	27.1	-Y13	FRENO LAMA	
27/D3	1.5	27.2	XEV:30	15				15	27.2	-Y14	MORSA ESTRATTORE	
27/D5	1.5	27.3	XEV:32	16				16	27.3	-Y15	SPAZZOLA	
27/D7	1.5	27.4	XEV:34	17				17	27.4	-Y16	USCITA CONTROSAGOMA	
9/E2	1.5	6.3	XEV:1	18				18	6.3	-HL1	ILLUMINAZIONE	
9/D2	1.5	6.7	XEV:2	19				19	6.7	-HL1	ILLUMINAZIONE	

SEÇÃO CONDUTORES  
CONDUCTORS SECTION ARE IN

mm2

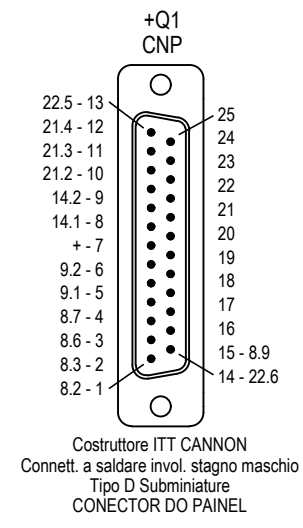
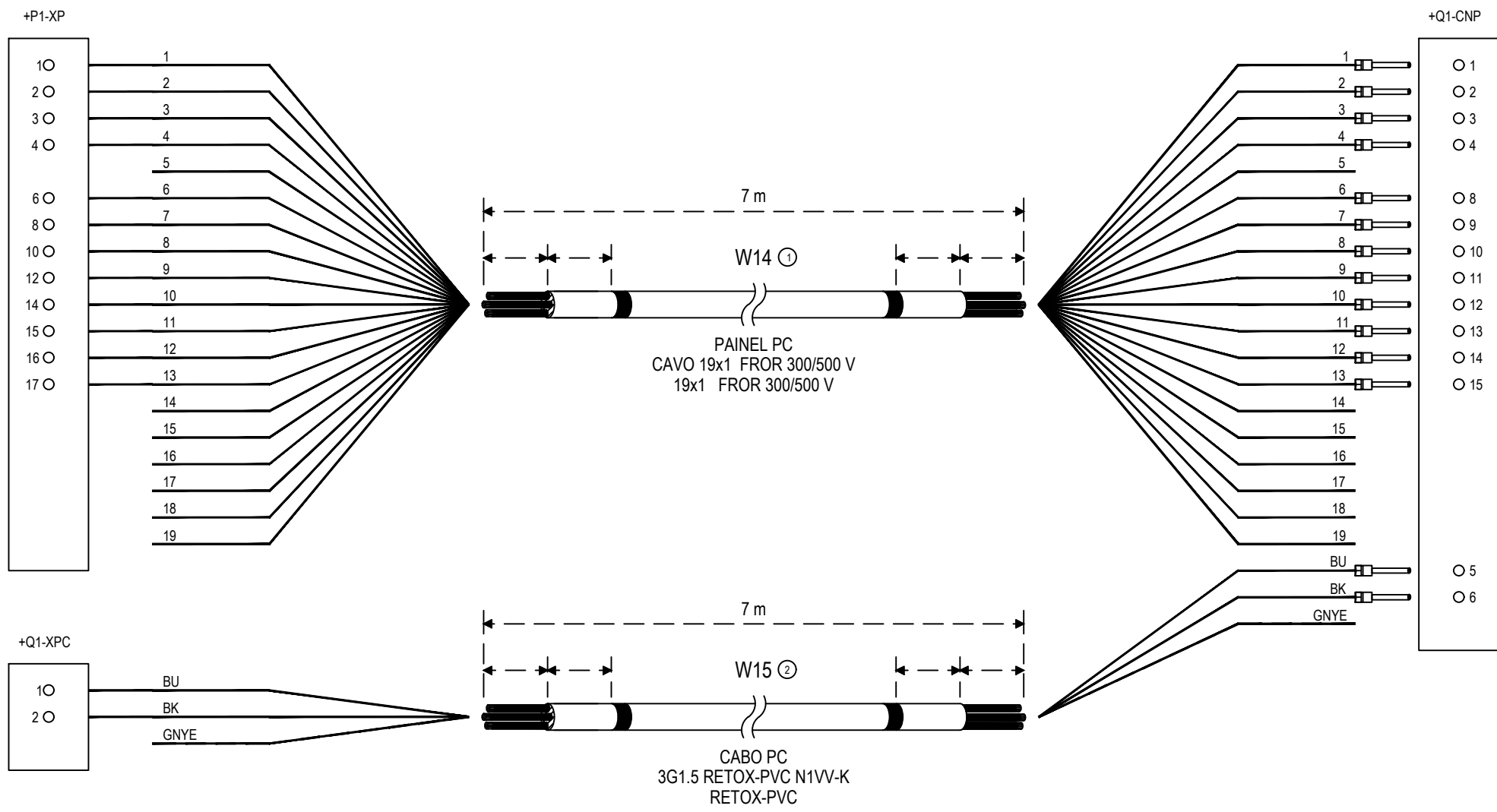
EXECUTAR A LIGAÇÃO À TERRA !!!  
CONNECT TO GROUND !!!

REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	DATA	10/10/2017	Martins	Electro Graphics Srl SAN MARTINO DI LUPARI (PD)	Tabela de cabos	Estação de corte	EG002	EG002.DWG	FOLHA 58 DE 66 SEGUINTE 59
------	-------------	------	------------	-------	------	------------	---------	--	-----------------	------------------	-------	-----------	-------------------------------

1	2		3	4	5	6	7		8
Sigla	Código	Função	Destino	Formação Designação	Fios	Dist.	Sch.	Comprimento	Código di item
A	W01	MOTOR DE LÂMINA	XM1/-M1	3x2.5+1G2.5 UG7OR 0.6/1 kV	4/4	01	P	10 m	UG7(O)R 4x2,5
	W02	ASPIRADOR	XM2/-M2	3x1.5+1G1.5 UG7OR 0.6/1 kV	4/4	01	P	2 m	UG7(O)R 4x1,5
	W03	CARREGAMENTO ROLO TRANSPORTADOR	XM3/-M3	3x1.5+1G1.5 UG7OR 0.6/1 kV	4/4	01	P	2 m	UG7(O)R 4x1,5
B	W04	X EIXO MOTOR	XM4/-M4	3x2.5+1G2.5 UG7OR 0.6/1 kV	4/4	01	P	5 m	UG7(O)R 4x2,5
	W05	MOTOR DO EIXO Y	XM5/-M5	3x1.5+1G1.5 UG7OR 0.6/1 kV	4/4	01	P	4 m	UG7(O)R 4x1,5
	W06	FITA	XM6/-M6	3x1.5+1G1.5 UG7OR 0.6/1 kV	4/4	01	P	3 m	UG7(O)R 4x1,5
	W07	VÁLVULAS DE SOLENÓIDE	+Q1/+SC6	24x1 FROR 300/500 V	19/24	3		5 m	FROR 24x1
C	W08	SENSORES DE CORTAR A CAIXA	+Q1/+SC2	14x1 FROR 300/500 V	13/14	3		2 m	FROR 14x1
	W09	SENSORES DE CORTAR A CAIXA	+Q1/+SC2	14x1 FROR 300/500 V	13/14	3		2 m	FROR 14x1
	W10	X SENSORES DE EIXO	+Q1/+SC1	7G1 FROR 300/500 V	4/7	3		8 m	FROR 7x1
D	W11	SENSORES DE EIXO Y	+SC2/+SC5	10x1 FROR 300/500 V	8/10	3		4 m	FROR 10x1
	W12	SENSORES DE LÂMINA	+SC2/+SC4	7G1 FROR 300/500 V	5/7	3		6 m	FROR 7x1
	W13	SENSORES DE GASES DE ESCAPE	+Q1/+SC3	3x1.5 FG100M1 0.6/1 kV	3/3	3		5 m	FG100M1 3x1,5
	W14	PAINEL PC	+Q1/+P1	19x1 FROR 300/500 V	13/19	4a		7 m	FROR 19x1
E	W15	CABO PC	CNP/XPC	3G1.5 N1VV-K	2/3	5		7 m	N1VV-K 3x1,5
	W16	INICIAR O PERFIL DE CARGA	+Q1/+E2	3x1.5 FG100M1 0.6/1 kV	3/3	3		8 m	FG100M1 3x1,5
	W17	PERFIL DE CENTRO DE CARGA	+Q1/+E2	3x1.5 FG100M1 0.6/1 kV	3/3	3		8 m	FG100M1 3x1,5
	W18	PERFIL DE CARGA FINAL	+Q1/+E2	3x1.5 FG100M1 0.6/1 kV	3/3	3		8 m	FG100M1 3x1,5
F			DATA	10/10/2017	Martins	Electro Graphics Srl	Lista de cabos		
			DESEN			SAN MARTINO DI LUPARI (PD)			
			VISA						
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	EG002	EG002.DWG
1	2	3	4	5	6	7	8	FOLHA 59 DE 66	SEGUINTE 60

1	2	3	4	5	6	7	8				
Sigla	Código	Função	Destino	Formação Designação	Fios	Dist.	Sch.	Comprimento	Código di item		
A	W19	CONTROLE DE BARRA DE FERRAMENTAS	+SC2/+SQ2	3x1.5 FG100M1 0.6/1 kV	3/3	3		3 m	FG100M1 3x1,5	A	
	W20	MÁXIMA EIXO X	+Q1/+E2	3x1.5 FG100M1 0.6/1 kV	3/3	3		8 m	FG100M1 3x1,5		
	W21	EIXO X MÍNIMO	+SC1/+SQ1	3x1.5 FG100M1 0.6/1 kV	3/3	3		2 m	FG100M1 3x1,5		
B	W22	MÁXIMO EIXO Y	+SC5/+SQ5	3x1.5 FG100M1 0.6/1 kV	2/3	3		2 m	FG100M1 3x1,5	B	
	W23	MÍNIMO EIXO Y	+SC5/+SQ5	3x1.5 FG100M1 0.6/1 kV	2/3	3		2 m	FG100M1 3x1,5		
	W24	ZERO EIXO Y	+SC5/+SQ5	3x1.5 FG100M1 0.6/1 kV	3/3	3		2 m	FG100M1 3x1,5		
	W25	CAIXA DE VÁLVULA SOLENÓIDE	+SC6/+SY	24x1 FROR 300/500 V	19/24	3		5 m	FROR 24x1		
C										C	
D										D	
E										E	
F										F	
				DATA	10/10/2017						
				DESEN		Martins	Electro Graphics Srl	Lista de cabos	Estação de corte		
				VISA			SAN MARTINO DI LUPARI (PD)				
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:	EG002	EG002.DWG	FOLHA 60 DE 66
1											SEGUINTE 61

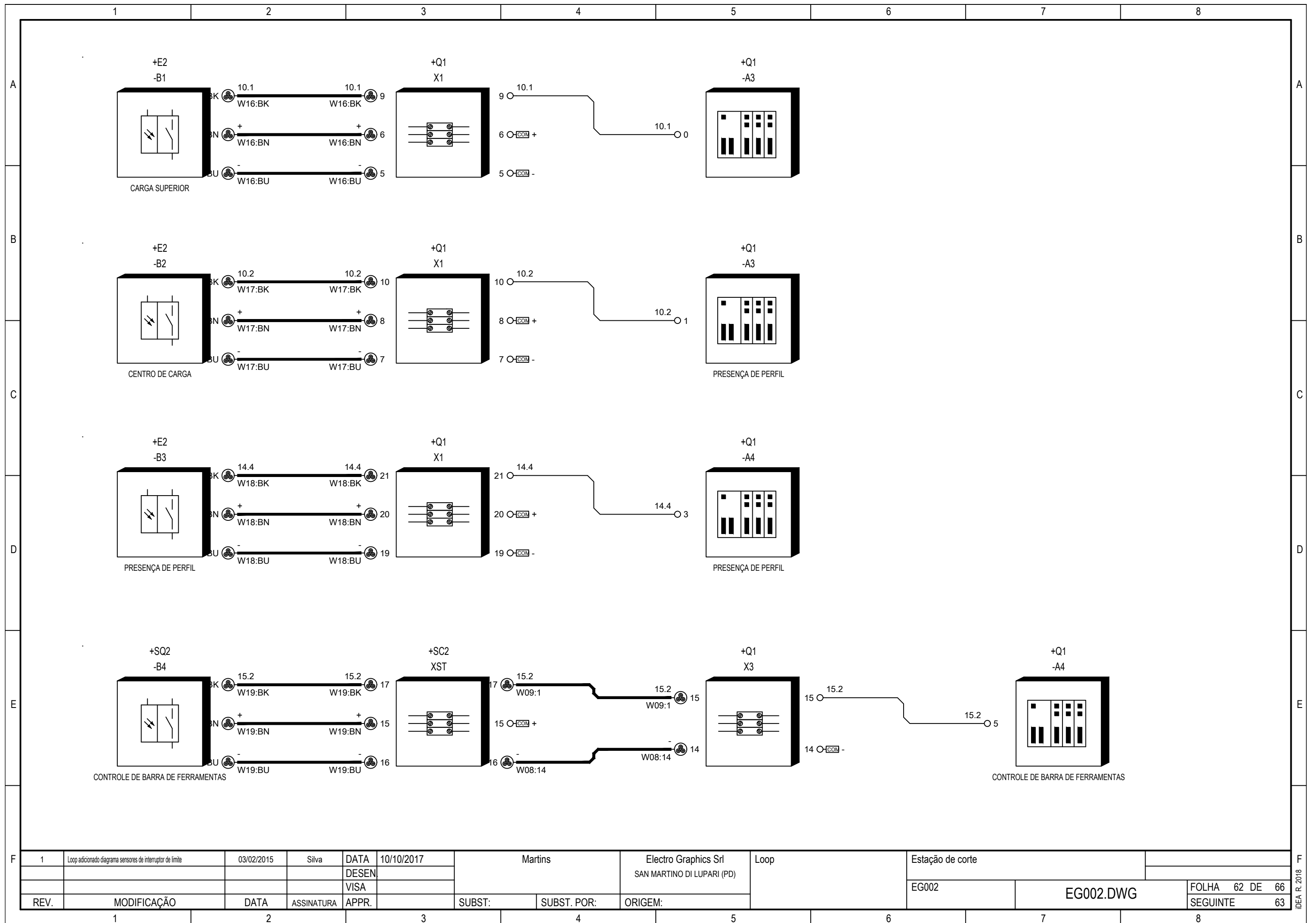
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Nr.	Código	Descrição	Costruttore	Quantidade
1	CV616	CAVO 19x1 FROR 300/500 V	PIRELLI CAVI e SISTEMI SPA	7 m
2	CV271	3G1.5 RETOX-PVC N1VV-K	PIRELLI CAVI e SISTEMI SPA	7 m

1	Diagrama de cabo detalhe adicionado W14	16/02/2015	Silva	DATA	10/10/2017	Martins	Electro Graphics Srl SAN MARTINO DI LUPARI (PD)	Diagrama de detalhe cabo W14	Estação de corte	
				DESEN					EG002	EG002.DWG
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:		FOLHA 61 DE 66 SEGUINTE 62
1		2			3			5	6	7

IDEA R. 2018



1	Loop adicionado diagrama sensores de interruptor de limite	03/02/2015	Silva	DATA	10/10/2017	Martins		Electro Graphics Srl	Loop	Estação de corte		
				DESEN				SAN MARTINO DI LUPARI (PD)				
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.		SUBST:	SUBST. POR:	ORIGEM:		EG002	EG002.DWG	FOLHA 62 DE 66
1												SEGUINTE 63

IDEA R. 2018

1		2		3		4		5		6		7		8	
Descrição				Código do artigo		Fabricante		Código alternativo		Quantidade		U.M.			
A	Borne através KrG				029432		WEIDMULLER SRL				4		Nr.		
	Borne com perna universal cinza				2775016		PHOENIX CONTACT				12		Nr.		
B	Borne de 3 condutores cinza				279681		WAGO				43		Nr.		
	O borne de alimentação. para sensores				280584		WAGO				29		Nr.		
	Borne de 2 condutores cinza				280901		WAGO				12		Nr.		
	Borne cinza				3003211		PHOENIX CONTACT				24		Nr.		
C	Borne com perna universal cinza				3005837		PHOENIX CONTACT				17		Nr.		
	Borne 2 planos de Primavera para terra co.				3026667		PHOENIX CONTACT				17		Nr.		
	Borne para cond. de terra				3031238		PHOENIX CONTACT				1		Nr.		
	A SEITA DE BASE.X FUS.1 p 10 x 38 cilíndrico..				3NW7010		SIEMENS SPA				1		PZ		
D	A SEITA DE BASE.X FUS.2 p 10 x 38 cilíndrico..				3NW7020		SIEMENS SPA				7		PZ		
	A SEITA DE BASE.X FUS.3 p 10 x 38 cilíndrico..				3NW7030		SIEMENS SPA				2		PZ		
	CONT.Aus 2 l + 2R, 24V 50/60Hz bloco.AG				3TH30220AC2		SIEMENS SPA				1		PZ		
E	CONT.Aus 2 l + 2R 220V 50/60Hz bloco.AG				3TH30220AN2		SIEMENS SPA				2		PZ		
	QUEBRE. HOMEM SEZ 3P 40A 400V CA 3UM				5TE7413		SIEMENS SPA		4001869040974		1		PCE		
	Conn. solda envol. Lagoa (masculino)				DB25PK87		ITT CANNON				1		Nr.		
	Macho IDC discreto fio conector				DBW25P		ITT CANNON				1		Nr.		
	Macho IDC discreto fio conector				DEW9P		ITT CANNON				2		Nr.		
F			DATA		10/10/2017		Martins		Electro Graphics Srl SAN MARTINO DI LUPARI (PD)		Lista de materiais				
REV.		MODIFICAÇÃO		DATA		ASSINATURA		APPR.		SUBST:		SUBST. POR:		ORIGEM:	
										EG002		EG002.DWG		FOLHA 63 DE 66 SEGUINTE 64	
1		2		3		4		5		6		7		8	

A

B

C

D

E

F

IDEA R. 2018

1	2	3	4	5	6	7	8
Descrição			Código do artigo	Fabricante	Código alternativo	Quantidade	U.M.
A	INTERRUPTOR DE PROTEÇÃO DO MOTOR COM CONTATOS AUX			GV2M10AN11TQ	TELEMECANIQUE	3389110427509	1 PCE
	INTERRUPTOR DE PROTEÇÃO DO MOTOR COM CONTATOS AUX			GV2M14AN11TQ	TELEMECANIQUE	3389110427516	1 PCE
	CONTATOR 9A			LC1D0910B7	TELEMECANIQUE		4 PZ
B	3G3JV-A2004			O53G3J2004	OMRON	0000000000000	1 UN
	R88D-UA08V			O5DH--1607	OMRON	0000000000000	1 UN
	R88D-UT40V			O5DH--2357	OMRON	0000000000000	1 UN
	100W DE ALIMENTAÇÃO 24VDC/110VAC			O9S82J5000	OMRON		1 Nr.
C	C200HID212			OTC20H3359	OMRON	0000000000000	3 UN
	C200HOC222V*			OTC20H3658	OMRON	0000000000000	2 UN
	C200HW-PA204			OUC2201006	OMRON	0000000000000	1 UN
D	XW2B-20G4			OXXW--2000	OMRON	0000000000000	1 UN
	TLD			PHI1882NG	PHILIPS SPA	8711500631626	1 PCE
	MOLA BOTÃO MOLDURA PRETA FIO			D.B.	TELEMECANIQUE		7 PZ
	BOTÃO PRETO			- XB2BA21	TELEMECANIQUE	3389110610000	7 PCE
E	ELEMENTO DE CONTACTO			- ZB2BE101	TELEMECANIQUE	3389110612608	7 PCE
	PULSO COGUMELOS BOTÃO VERMELHO			D.B.	TELEMECANIQUE		3 PZ
	BOTÃO COGUMELO VERMELHO			- XB2BC42	TELEMECANIQUE		3 PZ
	ELEMENTO DE CONTACTO			- ZB2BE101	TELEMECANIQUE	3389110612608	3 PCE
F			DATA	10/10/2017	Martins	Electro Graphics Srl	Lista de materiais
			DESEN			SAN MARTINO DI LUPARI (PD)	
			VISA				
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:
1							
2							
3							
4							
5							
6							
7							
8							
						EG002	EG002.DWG
							FOLHA 64 DE 66
							SEGUINTE 65

1	2		3	4	5	6	7	8			
Descrição				Código do artigo	Fabricante		Código alternativo	Quantidade	U.M.		
A	SELETOR DE 2 POSIÇÕES FIXAS				D.B.	TELEMECANIQUE			1	PZ	A
	SELETOR DE POSIÇÃO 2				- XB2BD21	TELEMECANIQUE		3389110610406	1	PCE	
	ELEMENTO DE CONTACTO				- ZB2BE102	TELEMECANIQUE		3389110612615	1	PCE	
B	MÓDULO DE DESLIGAMENTO DE EMERG.				XPSAL5110	TELEMECANIQUE		3389110547184	1	PCE	B
C											C
D											D
E											E
F				DATA	10/10/2017	Martins	Electro Graphics Srl	Lista de materiais			F
				DESEN			SAN MARTINO DI LUPARI (PD)				
				VISA							
REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	EG002	EG002.DWG	FOLHA 65 DE 66	SEGUINTE 66
1	2	3	4	5	6	7	8				

IDEA R. 2018



Cálculo da sobretemperatura do ar no interior do invólucro

CEI 17-43

Cliente / Fábrica Estação de corte

Tipo de invólucro Montaggio a muro

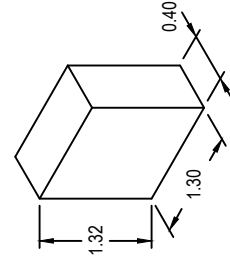
tamanho significativo para o sobretemperatura

Altura 1320 mm  
Largura 1300 mm  
Espessura 400 mm

Tipo de instalação Centrale o a parede

Abertura de ventilação SI

Número de diafragmas horizontais 0



Superfície eficaz de refrigeração	Dimensões	A <sub>0</sub>		Fator superfície b segundo Tab. 3	A <sub>0</sub> x b (Coluna 3) x (Coluna 4) m <sup>2</sup>
		m x m	m <sup>2</sup>		
	2	3	3	4	5
Parte superior	1.30x0.40	0.52	0.52	1.4	0.73
Parte anterior	1.30x1.32	1.72	1.72	0.9	1.54
Parte posterior	1.30x1.32	1.72	1.72	0.5	0.86
Lado esquerdo	0.40x1.32	0.53	0.53	0.9	0.48
Lado direito	0.40x1.32	0.53	0.53	0.9	0.48
A <sub>0</sub> = (Σ x A) <sub>T</sub> Total		4.08			

Com a superfície eficaz de refrigeração A<sub>0</sub>

Superior a 1,25 m<sup>2</sup> Inferior ou igual a 1,25 m<sup>2</sup>

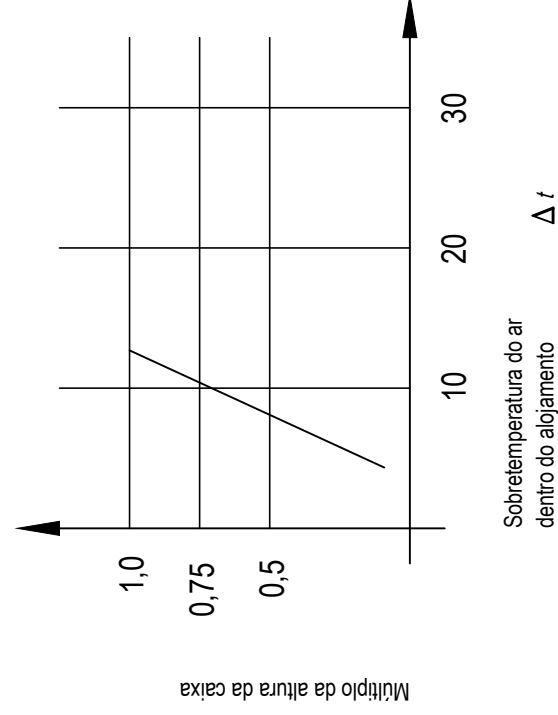
$$f = \frac{h^{1,35}}{A_b} \quad (5.2.3)$$

$$g = \frac{h}{W} \quad (5.2.3)$$

2.798

Aberturas de entrada de ar	k	cm <sup>2</sup>	100
Constante de involucro	d	W	0.197
Fator	P	W	1.000
Potência dissipada efetiva	c	K	182.3
$P^x = P^{0.715}$		K	41.349
$\Delta t_{0,5} = k \cdot d \cdot P^x$		K	8.1
Fator de distribuição temperatura		K	1.55
$\Delta t_{1,0} = c \cdot t \cdot \Delta_{0,5}$		K	12.7

Curva característica:



REV.	MODIFICAÇÃO	DATA	ASSINATURA	APPR.	SUBST:	SUBST. POR:	ORIGEM:	ESTRUTURA DE TESTES TÉRMICA	ESTAÇÃO DE CORTE	FOLHA 66 DE 66
										SEGUINTE
									EG002	EG002.DWG

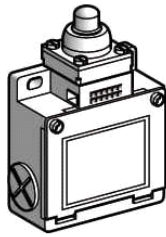
**Elenco documenti allegati ai materiali**

Ubicazione	Sigla	Código	Descrição	Costruttore	Documento
+E2	-S9	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S10	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S11	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S20	XCKM110	FINECORSAXCKM110 metallo fine stantuffo -1NC+1NO scatto - Pg 11	SCHNEIDER ELECTRIC Spa	XCKM110-Schneider-Electric-Datasheet-en.pdf
	-S22	XCKL115	FINECORSAXCKL115 leva a rullo termoplastico1NC+1NO-Snap-pressac	SCHNEIDER ELECTRIC Spa	XCKL115-Schneider-Electric-Datasheet-en.pdf
+Q1	-A1	OUC2201006	C200HW-PA204	OMRON	C200HW-PA204-Omron-Datasheet-en.pdf
	-A2	OTC20H3359	C200HID212	OMRON	c200h-id212-Omron-Datasheet-en.pdf
	-A3	OTC20H3359	C200HID212	OMRON	c200h-id212-Omron-Datasheet-en.pdf
	-A4	OTC20H3359	C200HID212	OMRON	c200h-id212-Omron-Datasheet-en.pdf
	-A5	OTC20H3658	C200HOC222V*	OMRON	c200h-oc222-Omron-Datasheet-en.pdf
	-A6	OTC20H3658	C200HOC222V*	OMRON	c200h-oc222-Omron-Datasheet-en.pdf
	-K4	3TH30220AC2	CONT.AUS.2L+2R 24V 50/60HZ BLOC.AG	SIEMENS SPA	3TH3022-Siemens-Datasheet-en.pdf
	-K6	3TH30220AN2	CONT.AUS.2L+2R 220V 50/60HZ BLOC.AG	SIEMENS SPA	3TH3022-Siemens-Datasheet-en.pdf
	-K7	3TH30220AN2	CONT.AUS.2L+2R 220V 50/60HZ BLOC.AG	SIEMENS SPA	3TH3022-Siemens-Datasheet-en.pdf
	-Q1	5TE7413	INTERR. MAN-SEZ 3P 40A 400V CA 3UM	SIEMENS SPA	5TE7413-Siemens-Datasheet-en.pdf
	-Q6	GV2M10AN11TQ	SALVAMOTORE GV2ME10 CON CONTATTI AUX	SCHNEIDER ELECTRIC Spa	GV2ME10-Telemecanique-Datasheet-en.pdf
	-Q8	GV2M14AN11TQ	SALVAMOTORE GV2ME14 CON CONTATTI AUX	SCHNEIDER ELECTRIC Spa	GV2ME14-Telemecanique-Datasheet-en.pdf
	-XA8	OXXW--2000	XW2B-20G4	OMRON	XW2B20G4-Omron-Datasheet-en.pdf
	CNP	DB25PK87	Connett. a saldare invol. stagno maschio	ITT CANNON	DB25P-K87-ITT-Datasheet-en.pdf
XGF3	O53G3J2004	3G3JV-A2004	OMRON	3G3JV-Omron-Datasheet-en.pdf	
+SC1	-S23	XCKL115	FINECORSAXCKL115 leva a rullo termoplastico1NC+1NO-Snap-pressac	SCHNEIDER ELECTRIC Spa	XCKL115-Schneider-Electric-Datasheet-en.pdf
	-S36	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
+SC2	-S12	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S13	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S14	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S17	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S21	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S27	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S28	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S29	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S30	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S31	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
+SC3	-S15	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S16	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf

Ubicazione	Sigla	Código	Descrição	Costruttore	Documento
+SC4	-S6	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S7	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S24	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S25	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
+SC5	-S4	XCKM110	FINECORSА XCKM110 metallo fine stantuffo -1NC+1NO scatto - Pg 11	SCHNEIDER ELECTRIC Spa	XCKM110-Schneider-Electric-Datasheet-en.pdf
	-S26	XS1M18DA210	Sensore di prossimità XS1M18DA210, induttivo, a filo, ottone,M1	SCHNEIDER ELECTRIC Spa	XS1M18DA210-Schneider-Electric-Datasheet-en.pdf
	-S37	XCKM102	FINECORSА XCKM102 metallo fine stantuffo -1NC+1NO scatto - Pg 11	SCHNEIDER ELECTRIC Spa	XCKM110-Schneider-Electric-Datasheet-en.pdf
	-S38	XCKM102	FINECORSА XCKM102 metallo fine stantuffo -1NC+1NO scatto - Pg 11	SCHNEIDER ELECTRIC Spa	XCKM110-Schneider-Electric-Datasheet-en.pdf
	-S39	XS1L06PC410	Sensore induttivo XS1 Ø6.5 L50mm inox -Sn1.5mm 12..24VDC	SCHNEIDER ELECTRIC Spa	XS1L06PC410-Schneider-Electric-Datasheet-en.pdf

# XCKM110

limit switch XCKM - metal end plunger - 1NC+1NO -  
snap action - Pg11



XCKM110

## Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKM
Sensor design	-
Body type	Fixed
Head type	Plunger head
Material	Metal
Body material	Zamak
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return plunger metal
Type of approach	Vertical approach 1 direction
Cable entry	3 entries tapped for Pg 11 cable gland
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contacts operation	Snap action

## Complementary

Switch actuation	On end
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm <sup>2</sup>
Contacts insulation form	Zb
Number of steps	1
Positive opening	With
Positive opening minimum force	45 N
Minimum force for tripping	15 N
Minimum actuation speed	0.01 m/min
Maximum actuation speed	0.5 m/s
Repeat accuracy	0.05 mm on the tripping points with 1 million operating cycles
Contact code designation	A300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A) conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A
[I <sub>th</sub> ] conventional enclosed thermal current	10 A AC
[U <sub>i</sub> ] rated insulation voltage	500 V degree of pollution 3 conforming to IEC 60947-1 300 V conforming to CSA C22-2 No 14 300 V conforming to UL 508
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1
Short circuit protection	10 A by gG cartridge fuse
Electrical durability	5000000 cycles, DC-13, inductive load type, 120 V, 4 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 24 V, 7 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 48 V, 10 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	20000000 cycles
Width	63 mm
Height	64 mm

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Depth	30 mm
Product weight	0.25 kg

## Environment

Shock resistance	50 gn (duration = 11 ms) conforming to EN/IEC 60068-2-27
Vibration resistance	25 gn (f = 10...500 Hz) conforming to EN/IEC 60068-2-6
IP degree of protection	IP66 conforming to EN/IEC 60529
IK degree of protection	IK05 conforming to EN 50102
Class of protection against electric shock	Class I conforming to IEC 61140 Class I conforming to NF C 20-030
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Protective treatment	TC
Product certifications	CCC CSA UL
Standards	CSA C22-2 No 14 EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 1007 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

# XCKL115

limit switch XCKL - thermoplastic roller lever -  
1NC+1NO - snap - Cable gland



## Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKL
Sensor design	-
Body type	Fixed
Head type	Rotary head
Material	Metal
Body material	Zamak
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Spring return roller lever thermoplastic
Type of approach	Lateral approach 2 directions
Cable entry	1 metal cable gland entry, cable outer diameter: 6...13.5 mm
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contacts operation	Snap action

## Complementary

Switch actuation	By 30° cam
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm <sup>2</sup>
Contacts insulation form	Zb
Number of steps	1
Positive opening	With
Positive opening minimum torque	0.25 N.m
Minimum torque for tripping	0.1 N.m
Minimum actuation speed	0.01 m/min
Maximum actuation speed	1.5 m/s
Contact code designation	A300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A) conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A
[I <sub>th</sub> e] conventional enclosed thermal current	10 A AC
[U <sub>i</sub> ] rated insulation voltage	500 V degree of pollution 3 conforming to IEC 60947-1 300 V conforming to CSA C22-2 No 14 300 V conforming to UL 508
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1
Short circuit protection	10 A by gG cartridge fuse
Electrical durability	5000000 cycles, DC-13, inductive load type, 120 V, 4 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 24 V, 7 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 48 V, 10 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	15000000 cycles
Width	52 mm
Height	72 mm

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Depth	30 mm
Product weight	0.285 kg

## Environment

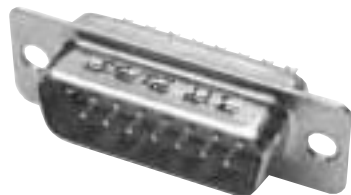
Shock resistance	50 gn (duration = 11 ms) conforming to EN/IEC 60068-2-27
Vibration resistance	25 gn (f = 10...500 Hz) conforming to EN/IEC 60068-2-6
IP degree of protection	IP66 conforming to EN/IEC 60529
IK degree of protection	IK05 conforming to EN 50102
Class of protection against electric shock	Class I conforming to IEC 61140 Class I conforming to NF C 20-030
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Protective treatment	TC
Product certifications	CSA UL
Standards	CSA C22-2 No 14 EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 1005 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

## Solder Cup Termination (Machined) with Tin Shells

### Plug



### Part Numbers

Shell Size	Layout	Through Hole	Clinch Nut # 4-40 UNC	Clinch Nut M3
DE	9	DE9PK87	DEE9PK87	DEX9PK87
DA	15	DA15PK87	DAE15PK87	DAX15PK87
DB	25	DB25PK87	DBE25PK87	DBX25PK87
DC	37	DC37PK87	DCE37PK87	DCX37PK87
DD	50	DD50PK87	DDE50PK87	DDX50PK87

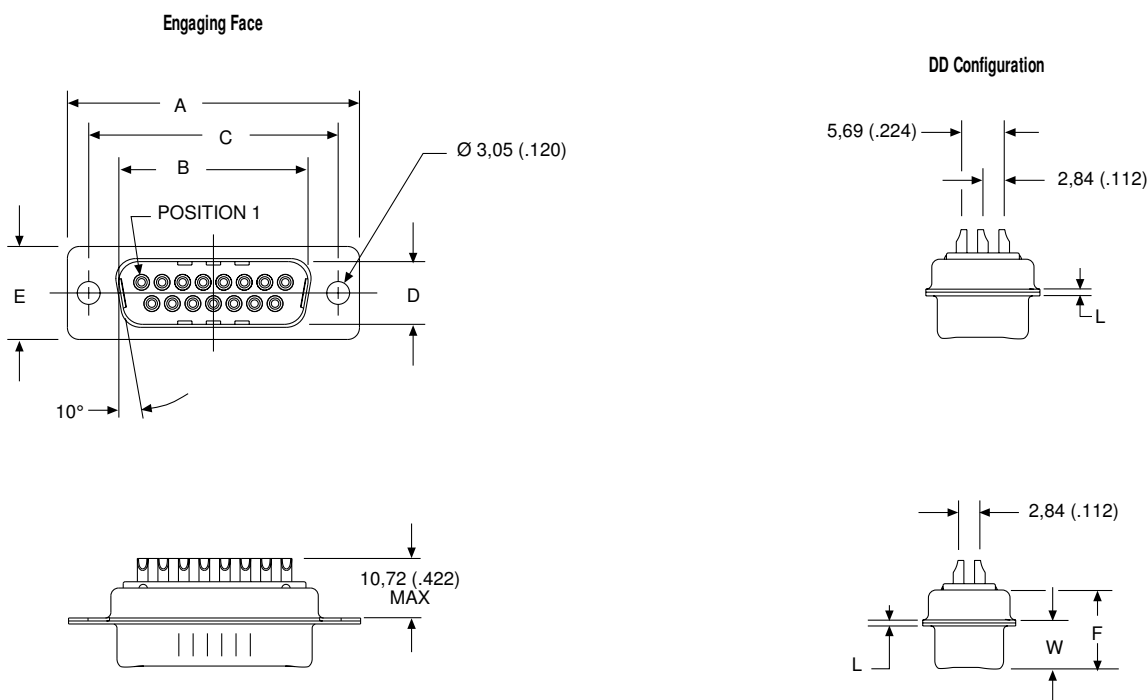
### Selection Guide

For Product Features, Specifications, Materials and Finishes, see pages 30-31.

Note: For performance class 2, add A191. Example: DA15PA191K87.

### Reader's Resource

For contact cavity arrangements, see page 224.  
 For panel cutouts, see page 221.  
 For hardware views (European), see page 227.



### Dimensions

Shell Size	A ±0,38 (.015)	B ±0,13 (.005)	C ±0,13 (.005)	D ±0,13 (.005)	E ±0,38 (.015)	F ±0,25 (.010)	W ±0,368 (.0145)	W ±0,41 (.016)	L ±0,25 (.010)
DE	30,81 (1.213)	16,92 (.666)	24,99 (.984)	8,36 (.329)	12,55 (.494)	10,72 (.422)	6,693 (.2635)	—	0,76 (.030)
DA	39,14 (1.541)	25,25 (.994)	33,32 (1.312)	8,36 (.329)	12,55 (.494)	10,72 (.422)	6,693 (.2635)	—	0,76 (.030)
DB	53,04 (2.088)	38,96 (1.534)	47,04 (1.852)	8,36 (.329)	12,55 (.494)	10,82 (.426)	—	6,84 (.269)	0,99 (.039)
DC	69,32 (2.729)	55,42 (2.182)	63,50 (2.500)	8,36 (.329)	12,55 (.494)	10,82 (.426)	—	6,84 (.269)	0,99 (.039)
DD	66,93 (2.635)	52,81 (2.079)	61,11 (2.406)	11,07 (.436)	15,37 (.605)	10,82 (.426)	—	6,84 (.269)	0,99 (.039)



## XS1L06PC410

inductive sensor XS1 Ø6.5 - L50mm - stainless - Sn1.5mm - 12..24VDC - cable 2m



### Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Product specific application	-
Sensor name	XS1
Sensor design	Cylindrical Ø 6.5 mm plain
Size	50 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	1.5 mm
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

### Complementary

Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303
Operating zone	0...1.2 mm
Differential travel	1...15% of Sr
Cable composition	4 x 0.08 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	1 LED yellow for output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 5000 Hz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	<= 5 ms
Delay response	<= 0.1 ms
Delay recovery	<= 0.1 ms
Marking	CE
Threaded length	47 mm
Length	50 mm
CAD overall height	7 mm
CAD overall depth	50 mm
Product weight	0.025 kg

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## Environment

Product certifications	CSA UL
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 1010 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Available

# Contactors Relays 3TH30

Reliability and safety are pre-requisites in the choice of the control contactor. Siemens 3TH30 contactor relays satisfy these criteria and thus offer the right choice to the customer.

## Applications

3TH30 are used in control circuits for switching and signaling purpose. Also they are used for interfacing with the electronic circuits.

## Standards

Contactor relay conforms to IS /IEC 60947-5-1.

They also carry CE mark.

## Range

Air break contactor relays are suitable for 10A, (AC15/AC14 rating) at 240V AC and 10A, (DC13 rating) at 24V DC.

## Benefits and features

### Flexibility

#### • Choice of auxiliary contacts

3TH30 contactor relays comes with 4 contacts as a basic unit (4NO, 3NO+1NC, 2NO+2NC). However the contacts can be extended upto 8 contacts by adding maximum 4 auxiliary contact blocks to this basic unit. This offers flexibility in selection and configuration.

#### • Choice of mounting

3TH30 can be mounted on 35mm DIN rail and they are also suitable for screw mounting.

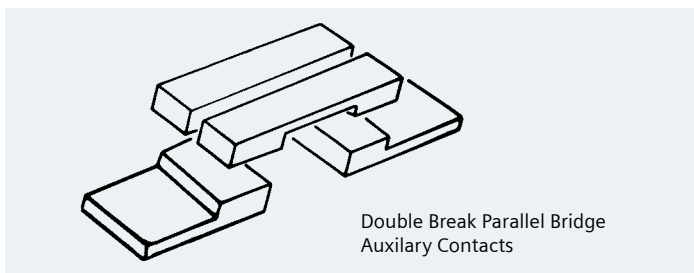
### Long Life

Superior design of current carrying parts, contact system and the magnet system increases the reliability which also results into higher **electrical and mechanical endurance**.

### High reliability

#### • Double Break Parallel Bridge contact mechanism

This mechanism is available with 3TH30. Such contact mechanism ensures reliable contact at low voltage and low currents (5mA at 17V DC). It also offers unmatched reliability as well as capability to integrate directly into PLC or instrumentation circuits.



### User friendliness and safety

#### • Positively driven contacts

3TH30 auxiliary contactors satisfy the conditions for **positively driven operation** between NO and NC contacts. NO and NC contact do not close at the same time. This is extremely important when they are used in safety circuits of critical applications. This ensures operator safety even during abnormal condition.

#### • SIGUT Termination

##### – Finger touch proof terminals

It protects against accidental contact with live parts which ensures operator safety.

##### – Funnel shaped cable entries

Reduce wiring time by facilitating quick location of the connecting wire.

##### – Cable end-stop

It decides the insertion depth of the connecting wires. Since the insertion depth is predetermined, insulation of the cable can be cut accordingly and the possibility of insulation getting inadvertently caught under the terminal is avoided.

##### – Captive Screws

This feature prevents the screws from falling down thereby facilitates the wiring. Hence, the auxiliary contactors are delivered with untightened terminals. This eliminates the operation of untightening terminals before wiring.

##### – Lug less termination

This feature helps in reducing the termination time.

## Selection and ordering data

Contacts in basic unit	MLFB - With AC coil	MLFB - With DC coil	Std. pkg. (nos.)
4NO	3TH30 40-0A..	3TH30 40-0B..	1
3NO+1NC	3TH30 31-0A..	3TH30 31-0B..	
2NO+2NC	3TH30 22-0A..	3TH30 22-0B..	

.. Please add coil voltage code

### AC Coil voltages

Coil voltage	24	42	110	230	415
Code	B0	D0	F0	P0	R0

### DC Coil voltages

Coil voltage	24	42	48	110	220	250
Code	B4	D4	W4	F4	M4	N4

(Other coil voltages are also available.)

## Technical data

Type	3TH30			3TX40..			
Standards	IS/IEC 60947-5-1						
Rated Operational Voltage	690V						
Rated Impulse withstand voltage	8kV						
Permissible ambient temp.	Storage	-50 to +80°C					
	Service	-25 to +55°C					
Mechanical endurance cycles	30 mill			10 mill			
Rated operating current Ie/AC12	16A			10A			
Rated operating current Ie/AC15/AC14 at operating voltage	230V	10A		5.6A			
	415V	4A		3.6A			
	690V	2A		1.8A			
Rated operating current Ie/DC13 at operating voltage	Current paths in series			Current paths in series			
		1	2	3	1	2	3
	24V	10 A	10A	10A	10 A	10A	10A
	110V	0.9 A	2.5A	10A	0.8 A	3.8A	10A
	220V	0.45A	0.75A	2A	0.2 A	0.85A	2A
	440V	0.2 A	0.5A	0.9A	0.11A	0.2A	0.5A
Coil Voltage tolerance	0.8 to 1.1 x Ue						
Rated coil input	Closing VA/p.f.	68 / 0.82					
AC operated, 50Hz		When closed VA/P.f.	10 / 0.29				
DC operated Closing=when closed	W	6.2					
Frequency of operation at AC15/DC13 duty	cycles/hr	3600					
Short circuit protection	HRC fuse-links			16A			
	Miniature circuit breakers, (C-char.)			10A			
Degree of protection	IP 20						

### For 3TH30

Operating time at 1.0*Us		AC	DC
Closing	Closing Delay NO	10-25 ms	30-70ms
	Opening Delay NC	7-20ms	28-56 ms
Opening	Opening Delay NO	5-18ms	10-20 ms
	Closing Delay NC	7-20ms	15-25 ms

1

**Specifications**

Part number	C200H-ID001	C200H-ID002
Number of inputs (per common)	8 pts (8 pts/com, 1 circuit)	8 pts (8 pts/com, 1 circuit)
Input voltage	No-voltage contact/NPN output type (negative common)	No-voltage contact/NPN output type positive common)
Input current	7 mA, typical	7 mA, typical
Operating voltage		
ON	14.4 VDC min.	14.4 VDC min.
OFF	5.0 VDC max.	5.0 VDC max.
Input response time		
ON	1.5 ms max.	1.5 ms max.
OFF	1.5 ms max.	1.5 ms max.
Style/External connections	A/Removable terminal block	
Input device requirement	-	
Manual	C200H Installation Guide: W111	

**Specifications**

Part number	C200H-ID211	C200H-ID212
Number of inputs (per common)	8 pts (8 pts/com, 1 circuit)	16 pts (16 pts/com, 1 circuit)
Input voltage	12 to 24 VDC +10%/-15%	24 VDC +10%/-15%
Input current	10 mA, 24 VDC	7 mA, typical 24 VDC
Operating voltage		
ON	10.2 VDC min.	14.4 VDC min.
OFF	3.0 VDC max.	5.0 VDC max.
Input response time		
ON	1.5 ms max.	1.5 ms max.
OFF	1.5 ms max.	1.5 ms max.
Style/External connections	A/Removable terminal block	B/Removable terminal block
Input device requirement	Sinking (NPN) or sourcing (PNP)	Sinking (NPN) or sourcing (PNP)
Manual	C200H Installation Guide: W111	

SWITCH, N-TYPE, OFF 3POLE 40A 400V, SEALABLE



Figure similar

Model		
product brand name		SENTRON
Design of the switching function		Off switches
General technical data		
Number of poles		3
Short-circuit current rating	kA	10
Main circuit		
Operating voltage / Rated value	V	400
Operating current / Rated value	A	40
Product details		
Product component / Signal lamp		No
Product function		
Product function / positive opening (acc. to DIN VDE 0113)		No
Number		
Number of NC contacts		0
Number of NO contacts		3
Number of CO contacts		0
Mechanical Design		
Installation depth	mm	55
Number of width units		3



## Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5TE7413>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<http://support.automation.siemens.com/WW/view/en/5TE7413/all>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

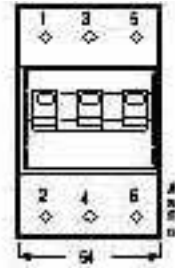
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5TE7413](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5TE7413)

**CAX-Online-Generator**

<http://www.siemens.com/cax>

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>



last modified:

11.03.2015

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**Specifications**

Part number	C200H-OC221	C200H-OC222
Number of outputs (per common)	8 pts (8 pts/com, 1 circuit)	12 pts (12 pt/com, 1 circuit), max. 8 ON simultaneously
Max. load current		
AC	2 A/pt. (p.f. = 1), 2 A/pt. (p.f. = 0.4)	2 A/pt. (p.f. = 1), 2 A/pt. (p.f. = 0.4)
DC	2 A/pt., 8 A/module	2 A/pt., 8 A/module
Rated load voltage	250 VAC, 24 VDC max.	250 VAC, 24 VDC max.
Min. switching capacity	10 mA, 5 VDC	10 mA, 5 VDC
Output response times		
ON	10 ms max.	10 ms max.
OFF	10 ms max.	10 ms max.
Style/External connections	A/Removeable terminal block	B/Removeable terminal block
External power supply	10 mA, 24 VDC/pt	10 mA, 24 VDC/pt
Manual	C200H Installation Guide: W111	

**Specifications**

Part number	C200H-OC223	C200H-OC224
Number of outputs (per common)	5 pts (1 pt/com, 5 circuits)	8 pts (1 pt/com, 8 circuits)
Max. load current		
AC	2 A/pt. (p.f. = 1), 2 A/pt. (p.f. = 0.4)	2 A/pt. (p.f. = 1), 2 A/pt. (p.f. = 0.4)
DC	2 A/pt., 8 A/module	2 A/pt., 8 A/module
Rated load voltage	250 VAC, 24 VDC max.	250 VAC, 24 VDC max.
Min. switching capacity	10 mA, 5 VDC	10 mA, 5 VDC
Output response times		
ON	10 ms max.	10 ms max.
OFF	10 ms max.	10 ms max.
Style/External connections	A/Removeable terminal block	A/Removeable terminal block
External power supply	10 mA, 24 VDC/pt	10 mA, 24 VDC/pt
Manual	C200H Installation Guide: W111	

**Specifications**

Part number	C200H-OC225
Number of outputs (per common)	16 pts (1 pt/com, 1 circuit), 8 ON simultaneously
Max. load current	
AC	2 A/pt. (p.f. = 1), 2 A/pt. (p.f. = 0.4)
DC	2 A/pt., 8 A/module
Rated load voltage	250 VAC, 24 VDC max.
Min. switching capacity	10 mA, 5 VDC
Output response times	
ON	10 ms max.
OFF	10 ms max.
Style/External connections	B/Removeable terminal block
External power supply	10 mA, 24 VDC/pt
Manual	C200H Installation Guide: W111





## Technical Characteristics

Horsepower Rating (1-Phase)	0.25HP@115VAC - 0.5HP@230VAC
Maximum Voltage Rating	600VAC
Mounting Type	Panel
Number of Poles	3-Pole
Starter Type	Non-Reversing
Thermal Trip Setting	4.0A to 6.3A
Type	GV2
Horsepower Rating (3-Phase)	1.5HP@200/230VAC - 3HP@460VAC - 5HP@575VAC
Marketing Trade Name	TeSys
Operator Type	Pushbutton
Overload Type	Ambient Compensated Bimetallic (Class 10)
Interrupt Rating	Standard
Terminal Type	Screw Clamp
Approvals	UL Listed File Number: E164864 NLRV - CSA Certified File Number: LR81630 Class: 3211 05 - CE Marked

## Shipping and Ordering

Category	22367 - Protectors, Starter, Manual, Type GV2
Discount Schedule	I11
GTIN	00785901211969
Package Quantity	1
Weight	0.62 lbs.
Availability Code	Stock Item: This item is normally stocked in our distribution facility.
Returnability	Y
Country of Origin	FR

[document.](#)

## Ratings and Specifications

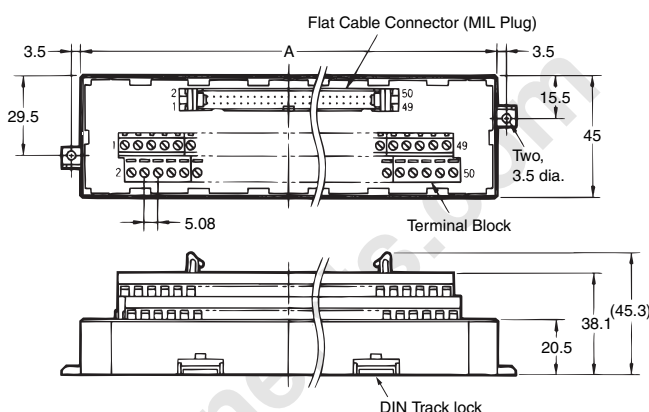
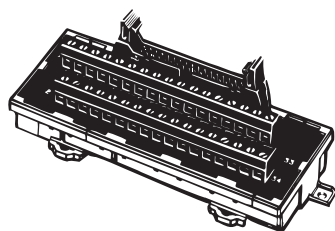
Item	Type	XW2B-□□G□ Flat Cable Units	XW2B-□□Y□ Multi-pole, Square-connector Units	XW2B-40F5-P Board I/O Unit
Rated current		1 A		
Rated voltage		125 VAC		
Insulation resistance		100 MΩ min. (at 500 VDC)		
Dielectric strength		500 VAC for 1 min (leakage current: 1 mA max.)		
Ambient operating temperature		0 to 55°C		

## Dimensions

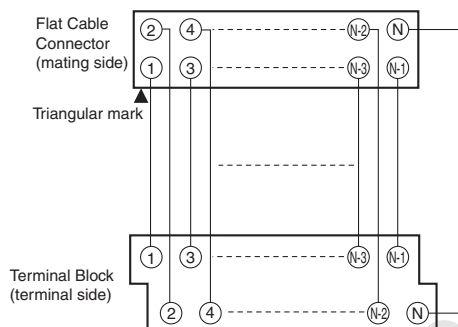
(Unit: mm)

### Flat Cable Units with a Terminal Block with M3 Screws

#### XW2B-□□G4



### Wiring Diagram



Note: All pins on the Flat Cable Connector correspond 1-to-1 to the terminal of the same number on the terminal block as shown above.

### Dimensions

Model	No. of poles	Dimension A (mm)	Applicable Connector models *1
XW2B-20G4	20	67.5	XG4A-2031
XW2B-34G4	34	112.5	XG4A-3431
XW2B-40G4	40	135.0	XG4A-4031
XW2B-50G4	50	157.5	XG4A-5031
XW2B-60G4	60	180.0	XG4A-6031

\*Flat Cable Connectors have one polarity slot.

Note: Terminal block pitch is 5.08 mm.

Use a wire size between 0.3 and 1.25 mm<sup>2</sup> (AWG22 to AWG16).

The wire insertion holes are 1.8 × 2.5 (H × W) mm.

### Applicable Connectors

Model	Applicable Connectors (order separately)		
	Flat Cable Connectors, MIL Sockets with Strain Reliefs	Discrete-wire IDC Connectors, Double-row Sockets	
		Connectors *1	Semi-covers *2
XW2B-20G4	XG4M-2030-T	XG5M-2032-N XG5M-2035-N	XG5S-1001
XW2B-34G4	XG4M-3430-T	XG5M-3432-N XG5M-3435-N	XG5S-1701
XW2B-40G4	XG4M-4030-T	XG5M-4032-N XG5M-4035-N	XG5S-2001
XW2B-50G4	XG4M-5030-T	XG5M-5032-N XG5M-5035-N	XG5S-2501
XW2B-60G4	XG4M-6030-T	XG5M-6032-N XG5M-6035-N	XG5S-3001

\*1. Either the XG5M-□□32-N or the XG5M-□□35-N may be used.

\*2. Each Connector requires two Semi-covers.

# OMRON

## 3G3JV inverter

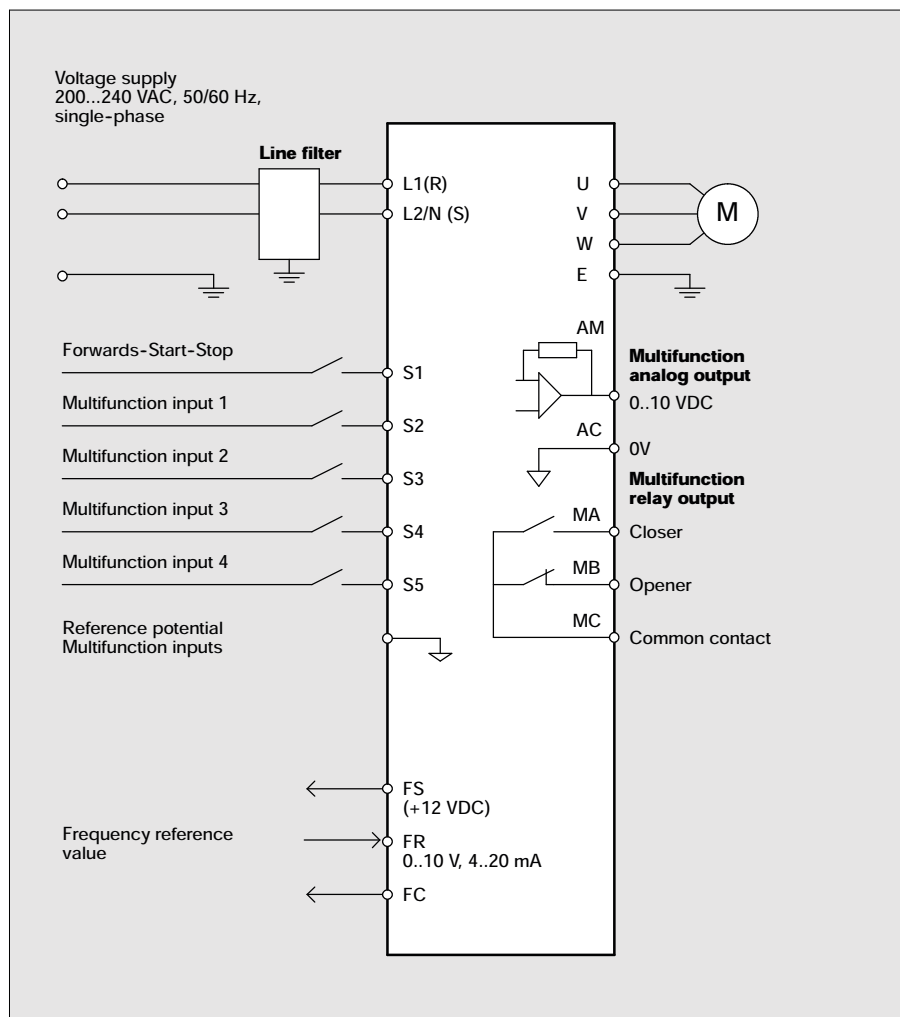
### Technical data (continued)

#### General data

Control functions	Control method	Sinusoidal PWM, terminal Volts/Hertz control	
	Output frequency range	0,1..400 Hz	
	Frequency precision	digital reference value: • 0,01 % (-10..+50°C)	
		analogue reference value: • 0,5% (25 • 10°C)	
	Resolution of frequency reference value	digital reference value: 0,01 Hz (<100 Hz), 0.1 Hz (>100 Hz)	
		analogue reference value 1/1000 of maximum frequency	
	Resolution of output frequency	0,01 Hz	
	Overload capacity	150%/60 s	
	Frequency reference value	0..10 V (20 k• ), 4-20 mA (250 • ), 0-20 mA (250 • )	
	Braking torque (short-time peaks)	up to 200 W	150%
550W, 1,1 kW		100%	
1,5 kW		50%	
>1,5 kW		20%	
Sustained braking torque approx. 20% without, 150% with external braking resistor			
Protective functions	Motor overload protection	electronically adjustable motor protection	
	Instantaneous overcurrent protection	stops at approx. 250% of rated output current	
	Overload protection	stops at 150% of rated current for 1 min.	
	Overvoltage protection	stops when maincircuit DC voltage is approx. 410 V	
	Undervoltage protection	stops when maincircuit DC voltage is approx. 160 V	
	Momentary power interruption compensation (selection)	stops for 15 ms or more by setting the inverter to momentary power interruption mode, operation can be continued if power is restored within approx. 0,5 sec.	
	Cooling fin overheating	detects at 110 •C • 10 •C	
	Ventilator control	electronic protection against blocking	
	Grounding protection	protection at rated output current level	
Functions	Digital inputs	4 multifunction digital input	
	Digital outputs	1 multifunction digital output	
	Analog output	1 multifunction analog output (0..10 V)	
	Braking and acceleration times	0,0..999 s	
	Display	frequency, current or reference value by selection error and status LED	
Ambient conditions	Type of protection	IP20, wall installation	
	Cooling	separate cooler for 0,75 kW (200 V)	
	Ambient temperature	open installation:	-10°C to 50°C
		wall installation:	-10°C to 40°C
	Air humidity	95% (without condensation)	
	Storage temperature	-20°C to +60°C	
	Assembly	in cabinet, free of dust and corrosive gases	
Position height	max. 1000 m		
Ambient conditions	Vibration resistance	1 g at <20 Hz, 0,2 g at <50 Hz	

### Connections diagram

L3 remains free with single-phase equipment



# GV2ME14

## TeSys GV2-Circuit breaker-thermal-magnetic - 6...10 A - screw clamp terminals



### Main

Range of product	TeSys GV2
Device short name	GV2ME
Product or component type	Circuit breaker
Circuit breaker application	Motor protection
Poles description	3P
Network type	AC
Utilisation category	Category A conforming to IEC 60947-2 AC-3 conforming to IEC 60947-4-1
Network frequency	50/60 Hz conforming to IEC 60947-4-1
Breaking capacity	I <sub>cu</sub> = 100 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> = 100 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> = 15 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> = 3 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> = 10 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 440 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 690 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 500 V AC 50/60 Hz conforming to IEC 60947-2
Thermal protection adjustment range	6...10 A
Trip unit technology	Thermal-magnetic
Magnetic tripping current	138 A

### Complementary

Mounting mode	By clips By screws
Mounting support	Rail
Mounting position	Horizontal Vertical
Motor power kW	5.5 kW at 500 V AC 50/60 Hz 7.5 kW at 690 V AC 50/60 Hz 5.5 kW at 690 V AC 50/60 Hz 4 kW at 500 V AC 50/60 Hz 4 kW at 400/415 V AC 50/60 Hz 3 kW at 400/415 V AC 50/60 Hz
Control type	Pushbutton
[U <sub>e</sub> ] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[U <sub>i</sub> ] rated insulation voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[I <sub>th</sub> ] conventional free air thermal current	10 A conforming to IEC 60947-4-1
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV conforming to IEC 60947-2

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Power dissipation per pole	2.5 W
Mechanical durability	100000 cycles
Electrical durability	100000 cycles for AC-3 at 440 V
Operating rate	25 cyc/h
Rated duty	Continuous conforming to IEC 60947-4-1
Connections - terminals	Screw clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> - cable stiffness : flexible - with cable end Screw clamp terminals 2 cable(s) 1.5...6 mm <sup>2</sup> - cable stiffness : flexible - without cable end Screw clamp terminals 2 cable(s) 1...6 mm <sup>2</sup> - cable stiffness : solid
Tightening torque	1.7 N.m - on screw clamp terminals
Mechanical robustness	Shocks 30 Gn for 11 ms conforming to IEC 60068-2-27 Vibrations 5 Gn, 5...150 Hz conforming to IEC 60068-2-6
Suitability for isolation	Yes conforming to IEC 60947-1
Phase failure sensitivity	Yes conforming to IEC 60947-4-1
Height	89 mm
Width	45 mm
Depth	78.2 mm
Product weight	0.26 kg

## Environment

Standards	EN 60204 IEC 60947-1 IEC 60947-2 IEC 60947-4-1 NF C 63-120 NF C 63-650 NF C 79-130 UL 508 VDE 0113 VDE 0660 CSA C22.2
Product certifications	ATEX BV CCC CEBEC CSA DNV EZU GL GOST RINA SETI TSE UL LROS
Protective treatment	TH
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK04
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-40...80 °C
Fire resistance	960 °C conforming to IEC 60695-2-1
Operating altitude	2000 m

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0631 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

## Contractual warranty

Period	18 months
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