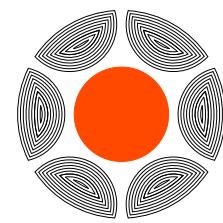


Produto

URBANO TORINO MOTOR TRASEIRO COM MULTIPLEX LOHR AMSYS



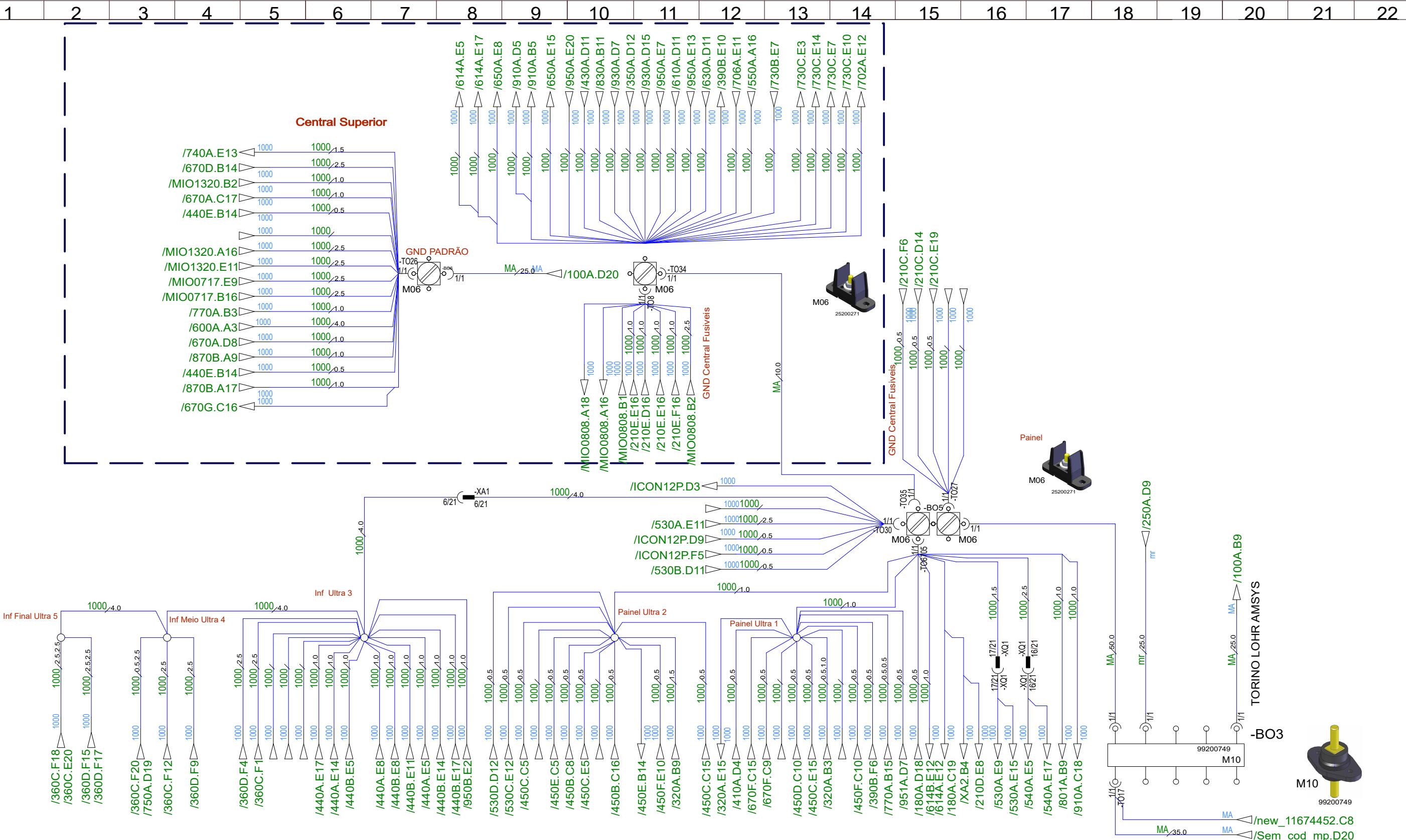
Marcopolo

Caxias do Sul - RS Brasil

Data de modificação

05/02/2024

Projetista



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

100B

/390B.B2 < 9900 4.0
9900 -XZ2 1/1 1/1 9900 6.0 < /new_11674452.C9

 Marcopolo Caxias do Sul - RS Brasil	Data de modificação 26/02/2024	Número de folha
Denominação		
Desenhista	Produto	

Aterramento Áudio & Vídeo

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

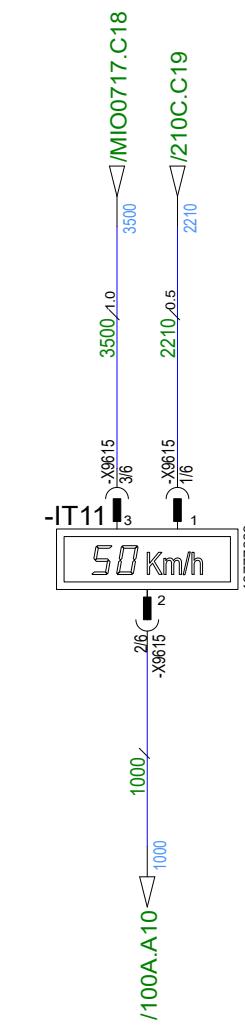
C

D

E

F

350A



 Marcopolo Caxias do Sul - RS Brasil	Data de modificação 13/03/2024	Número de folha
Denominação		
Desenhista	Produto	

Display Indicador de Velocidade

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

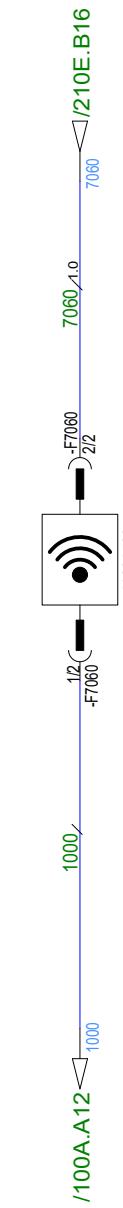
D

E

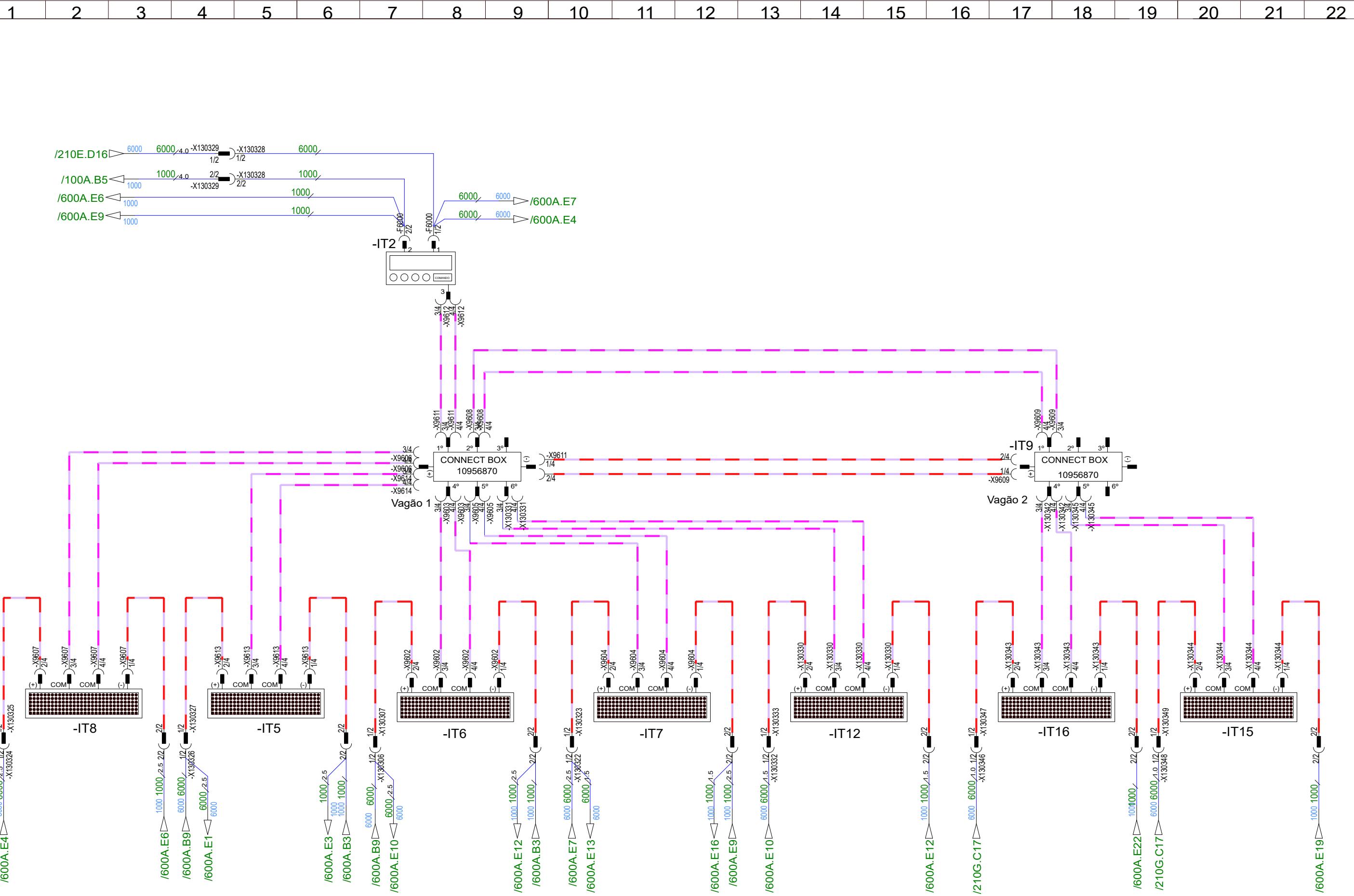
F

706A

Roteador Internet



Data de modificação: 13/03/2024
Número de folha:
Denominação:
Desenhista:
Produto:



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

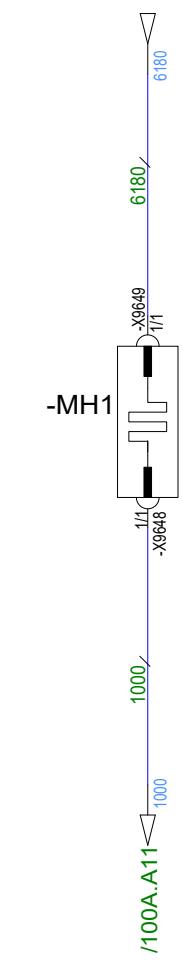
B

C

D

E

F



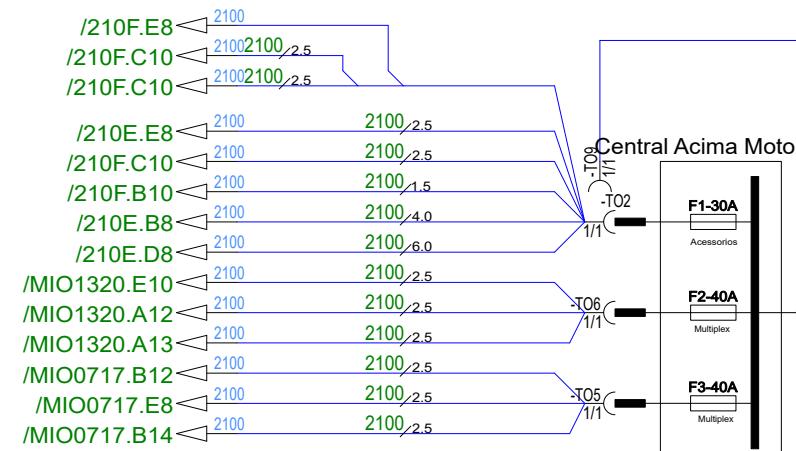
 Marcopolo Caxias do Sul - RS Brasil	Data de modificação 13/03/2024	Número de folha
	Denominação	
	Desenhista	Produto

610A

Desembaçador Itinerário

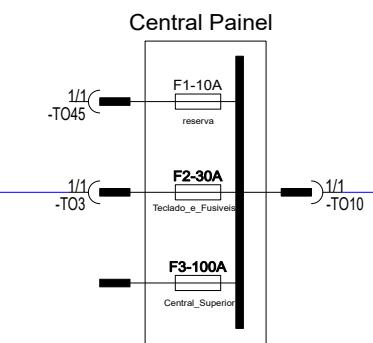
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

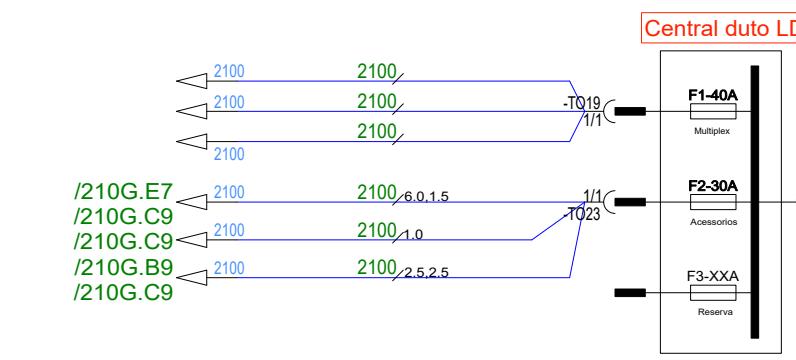


B

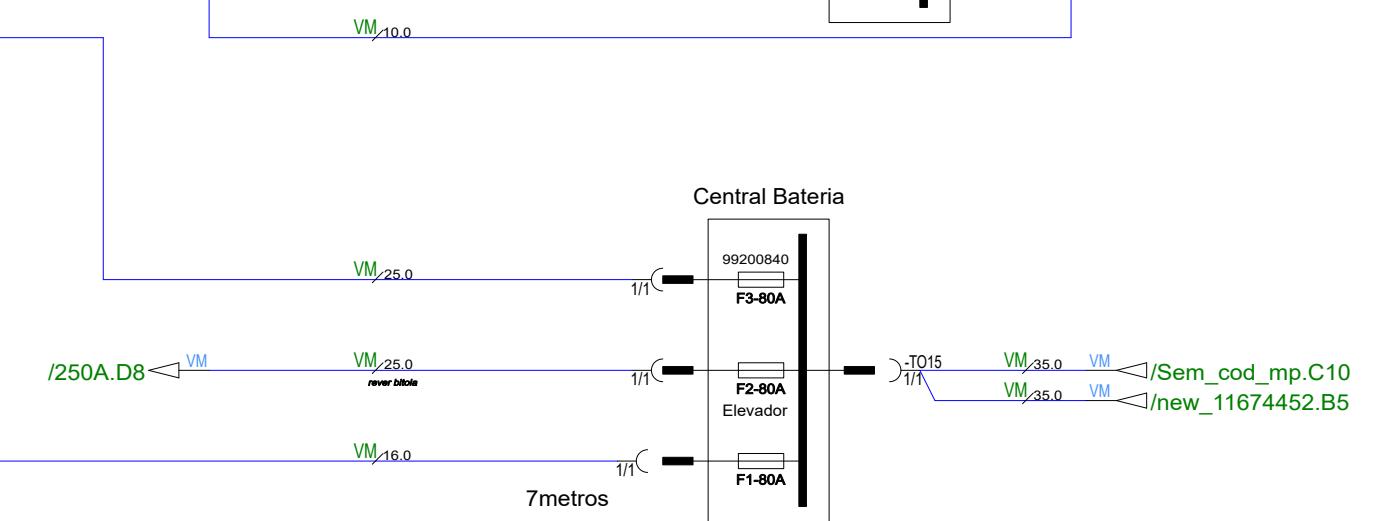
/210C.B8
/210C.B8
/210C.C8
/210D.C8
/210D.B8



C

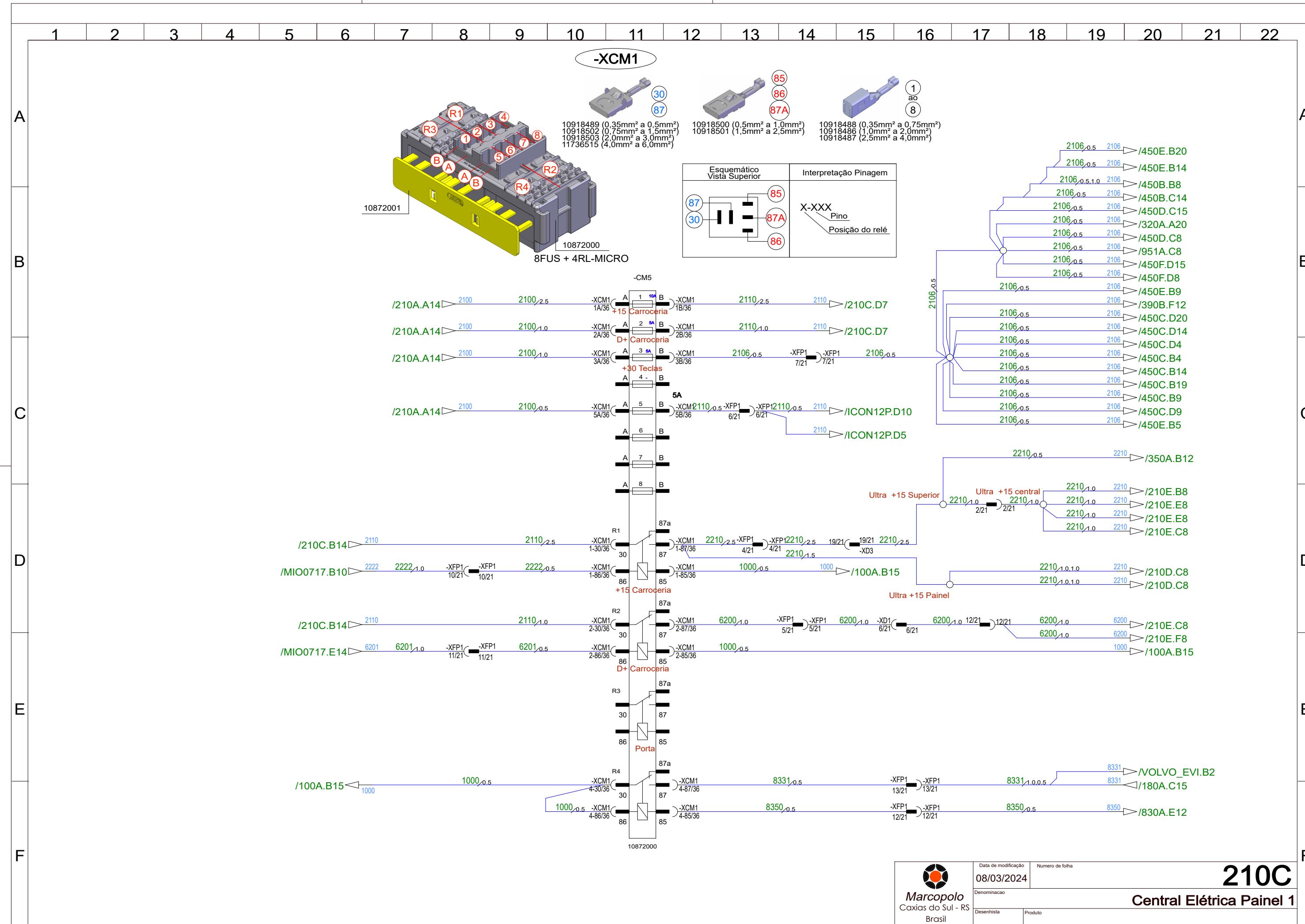


D



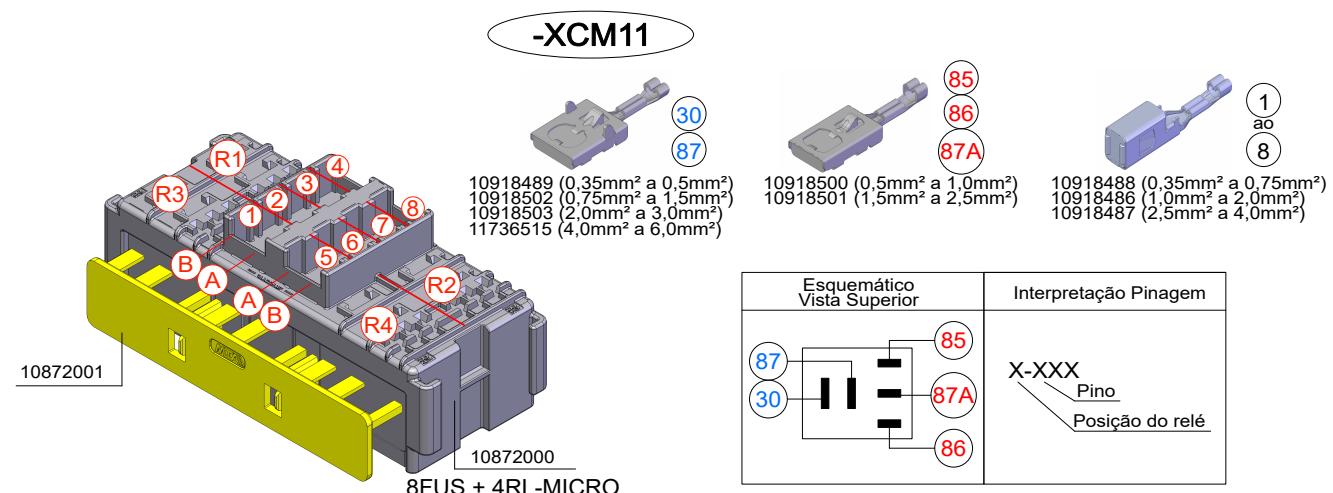
25metros O500MDA

F

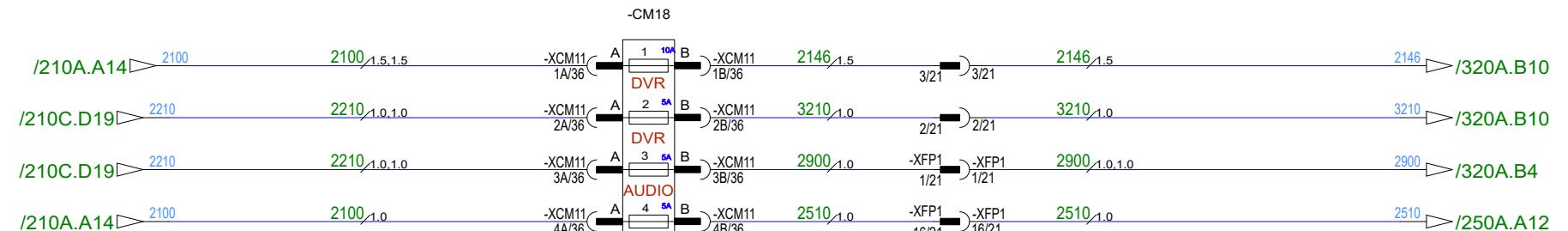


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

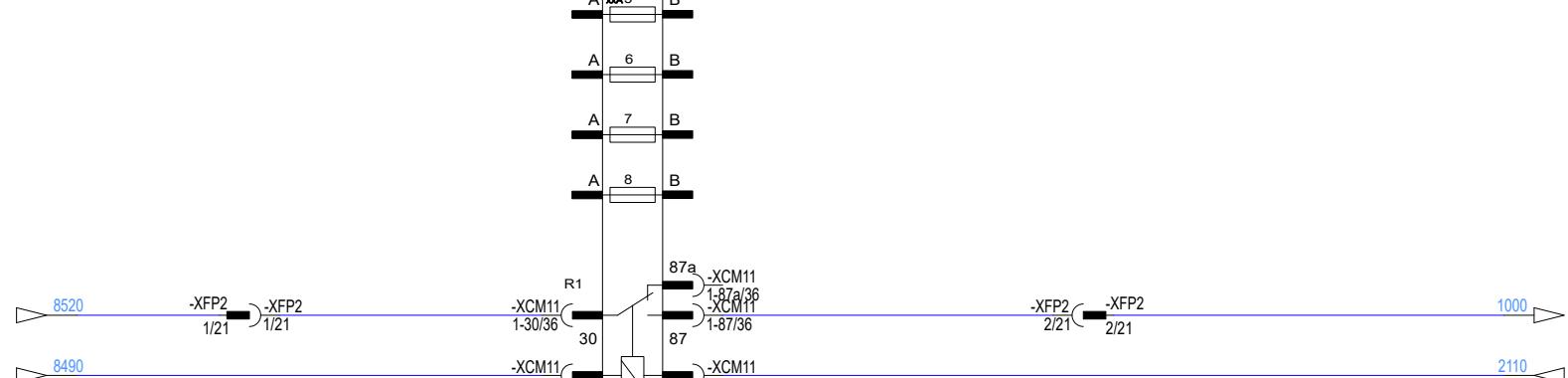
A



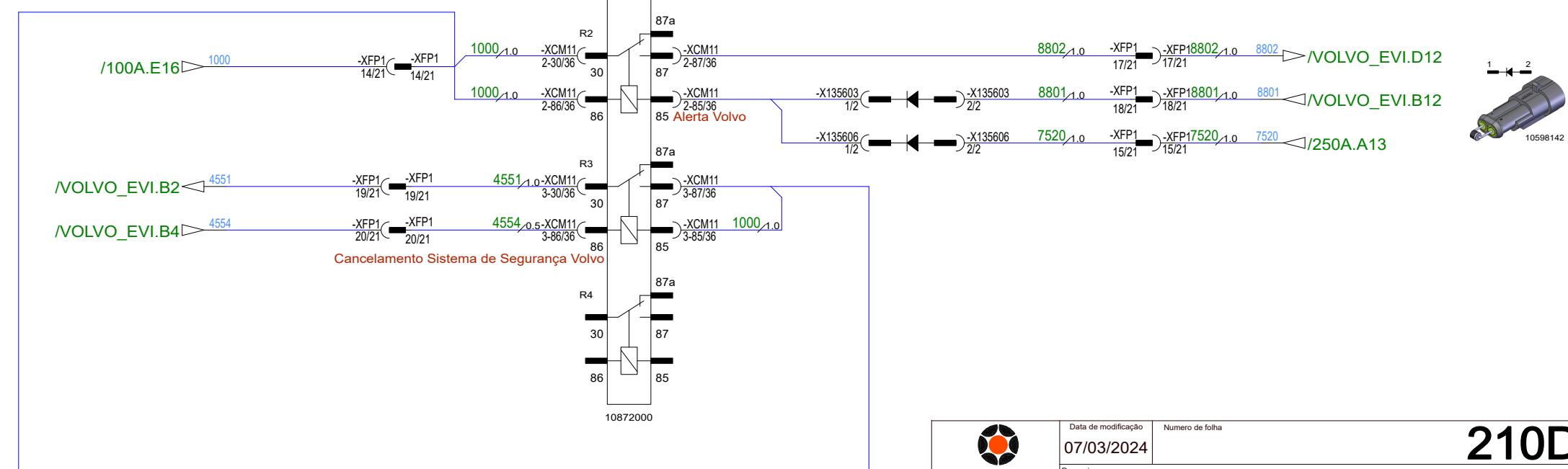
B



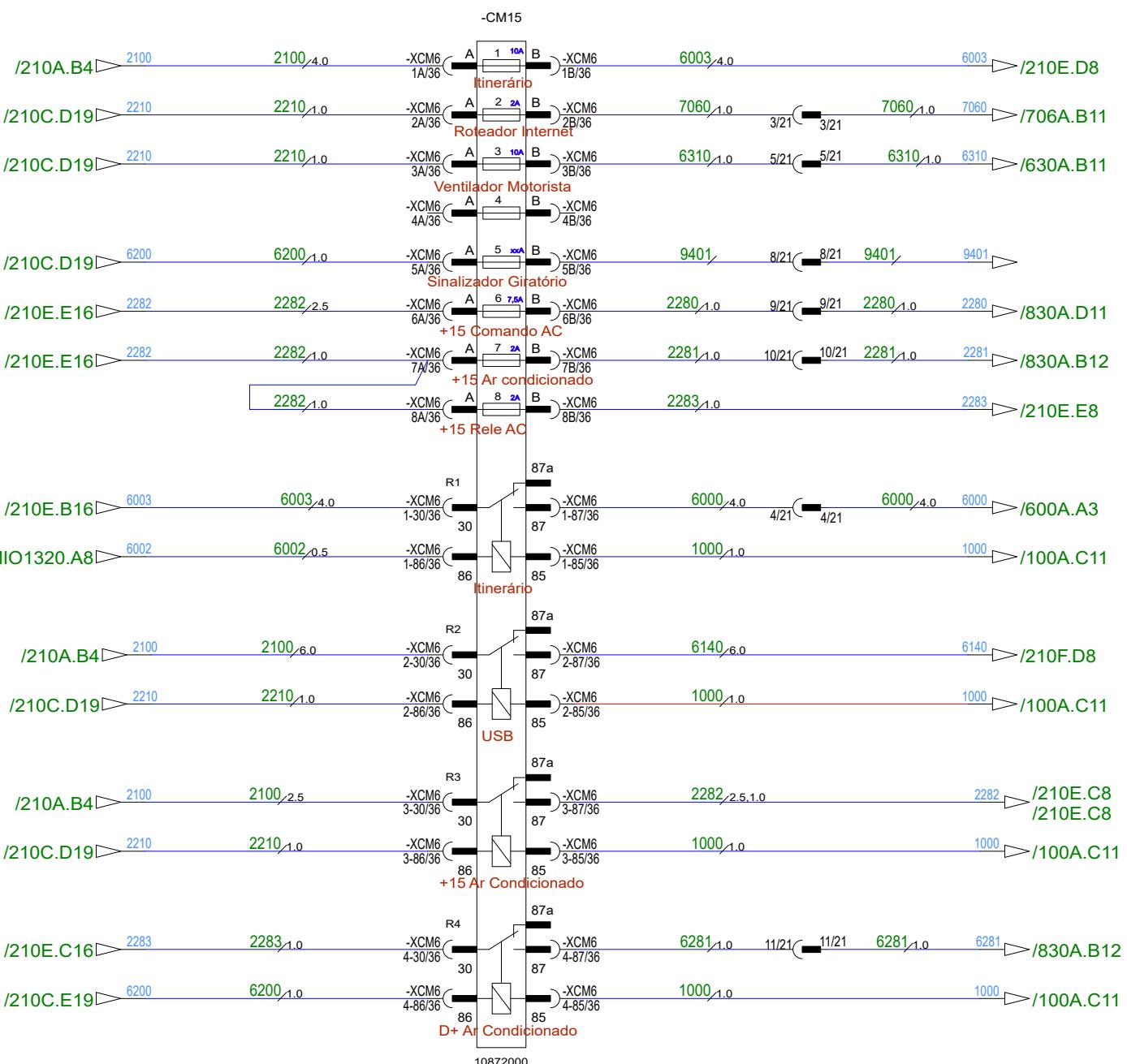
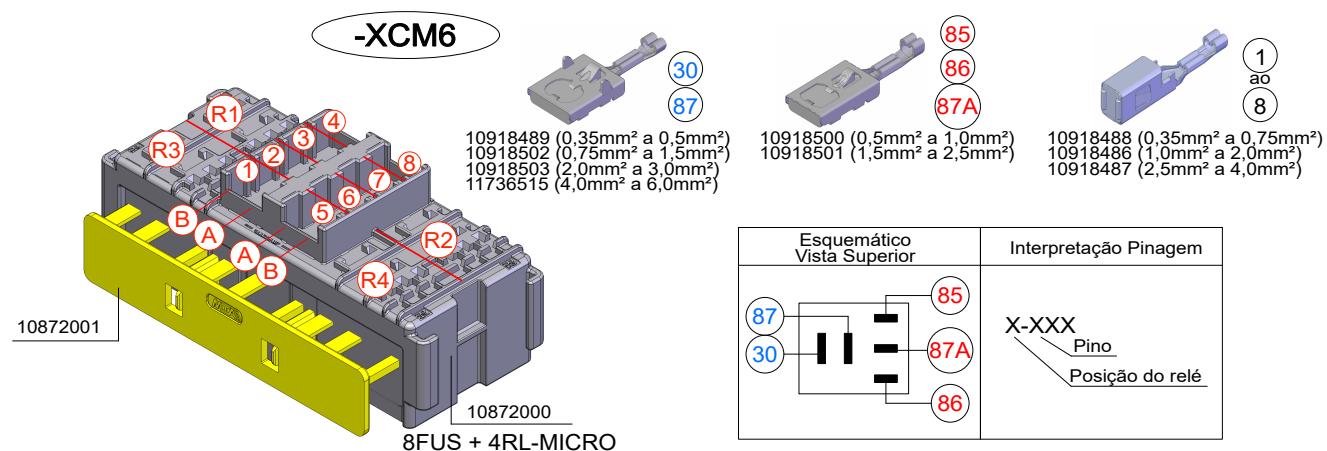
C



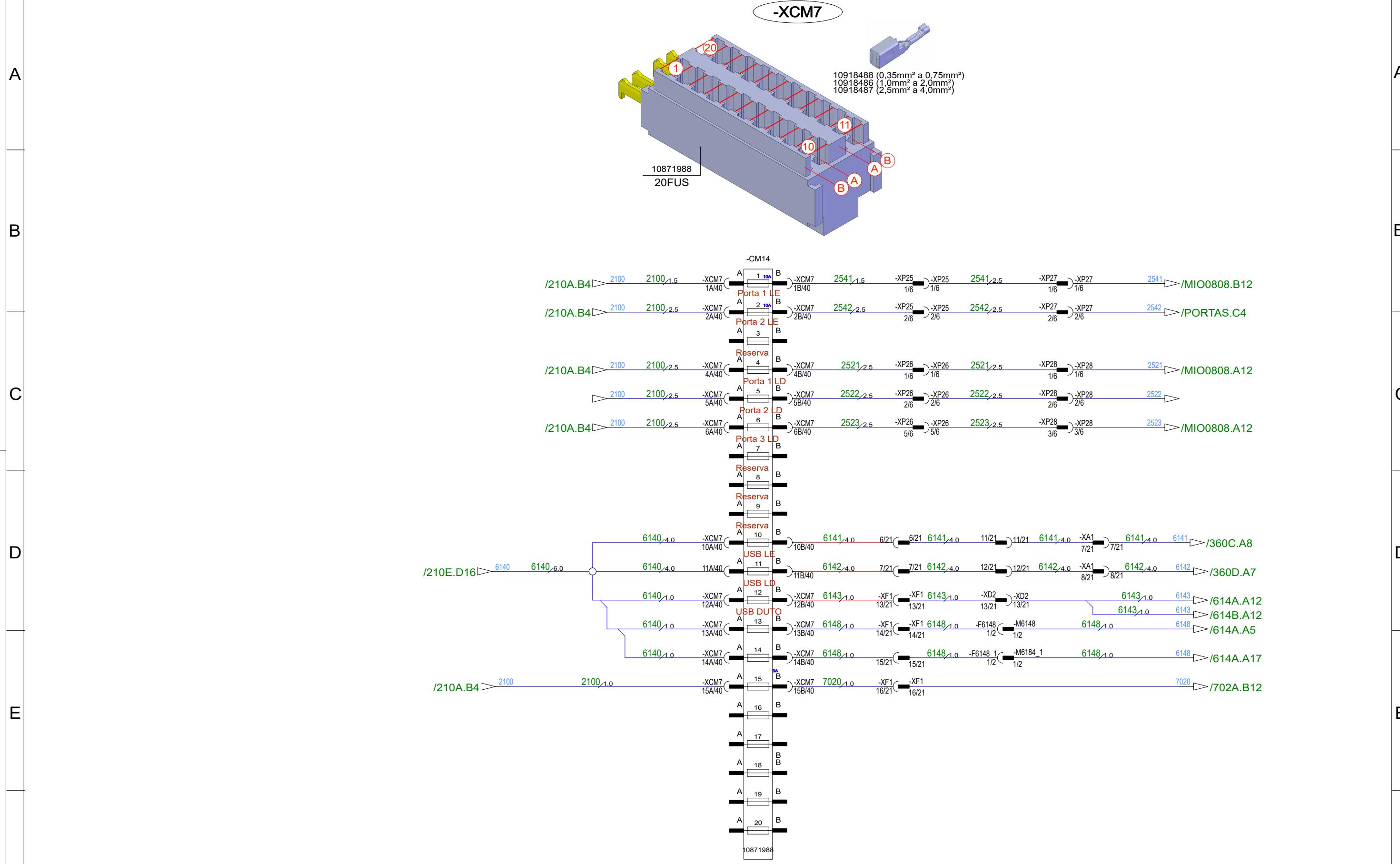
D



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

A

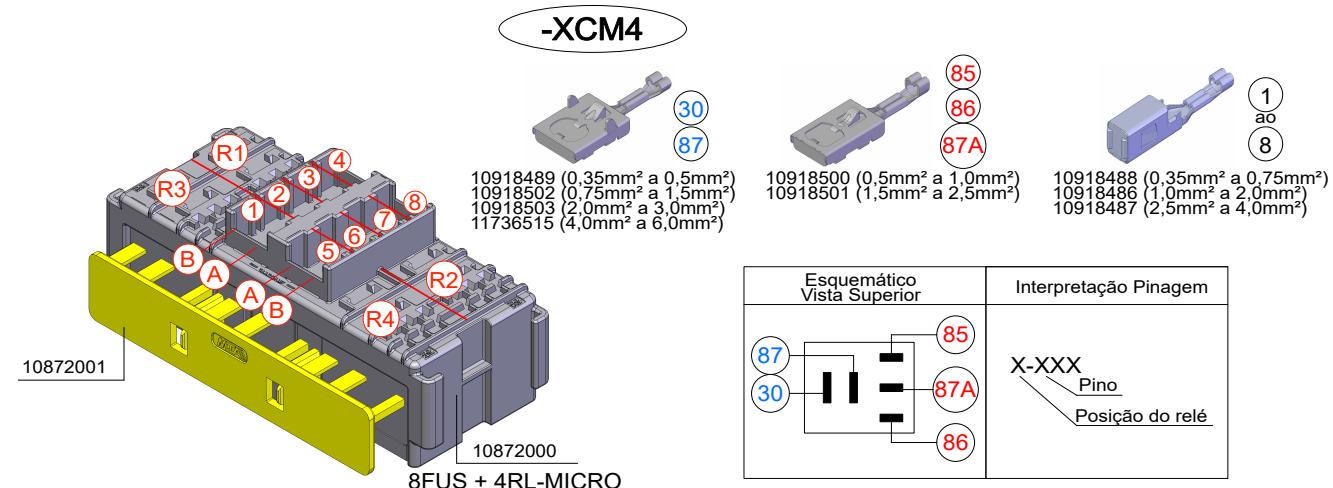
B

C

D

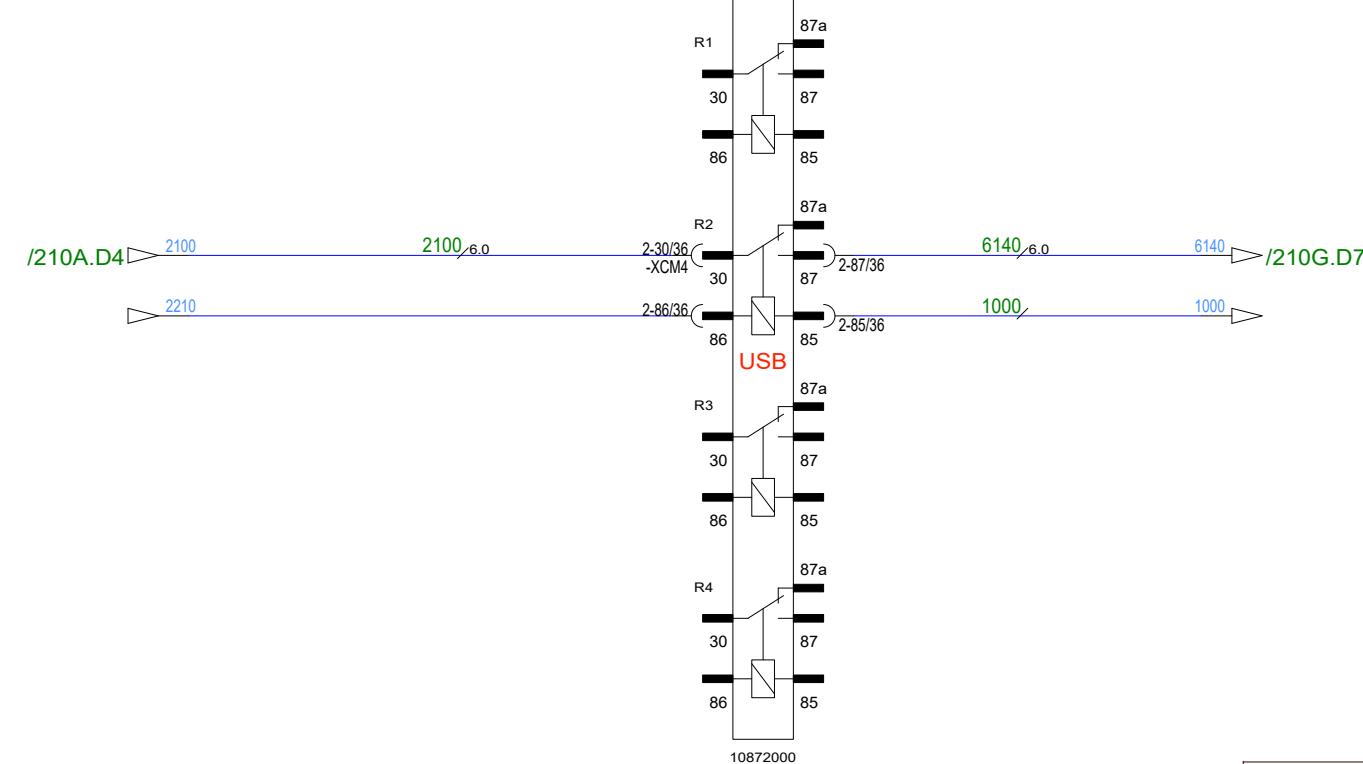
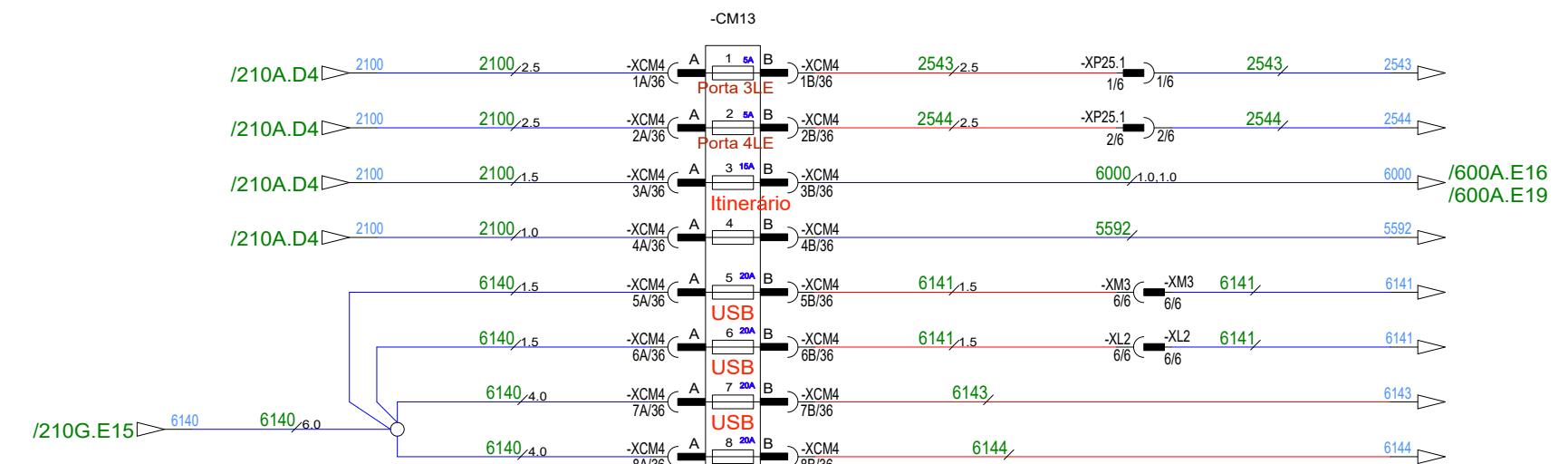
E

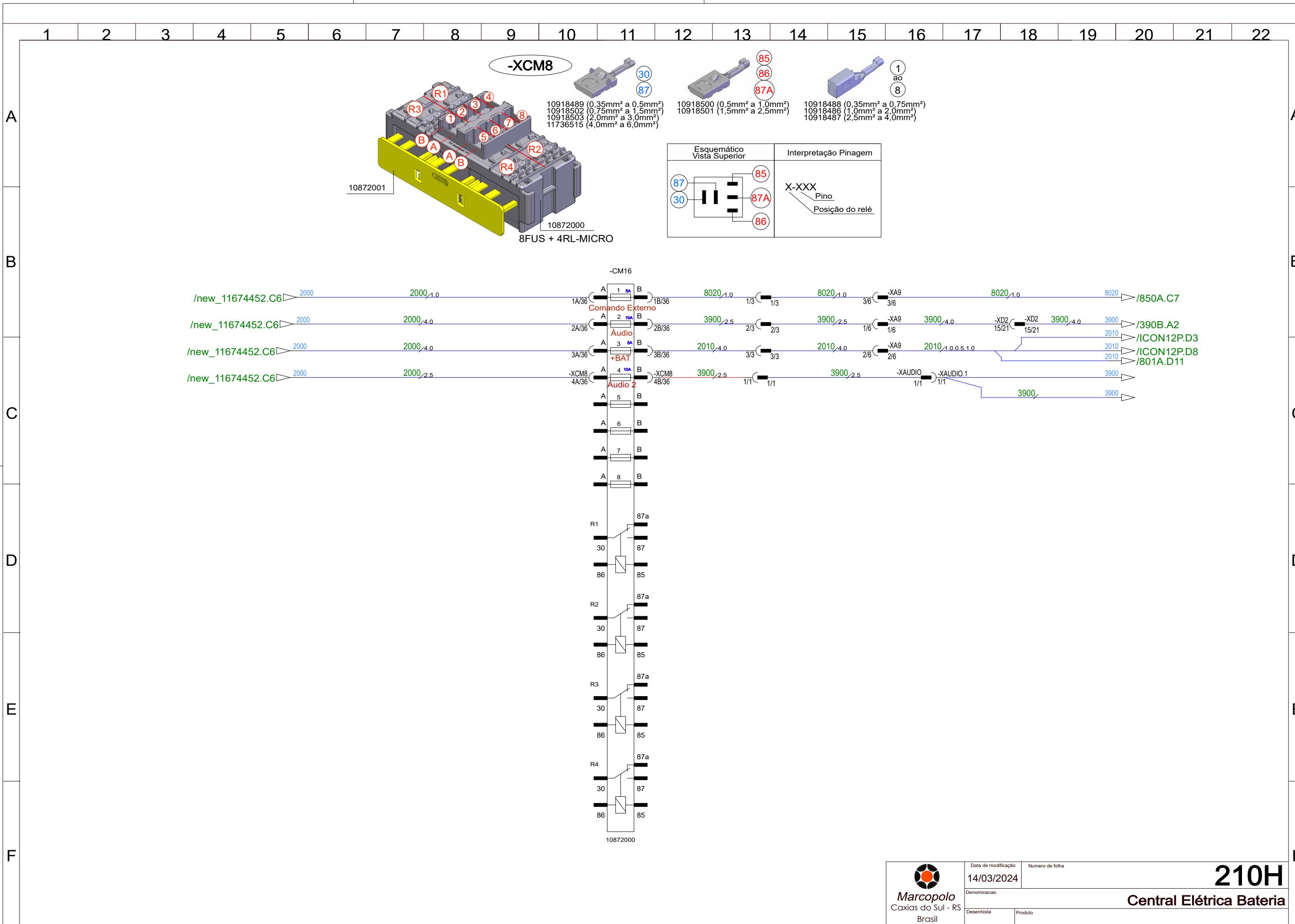
F

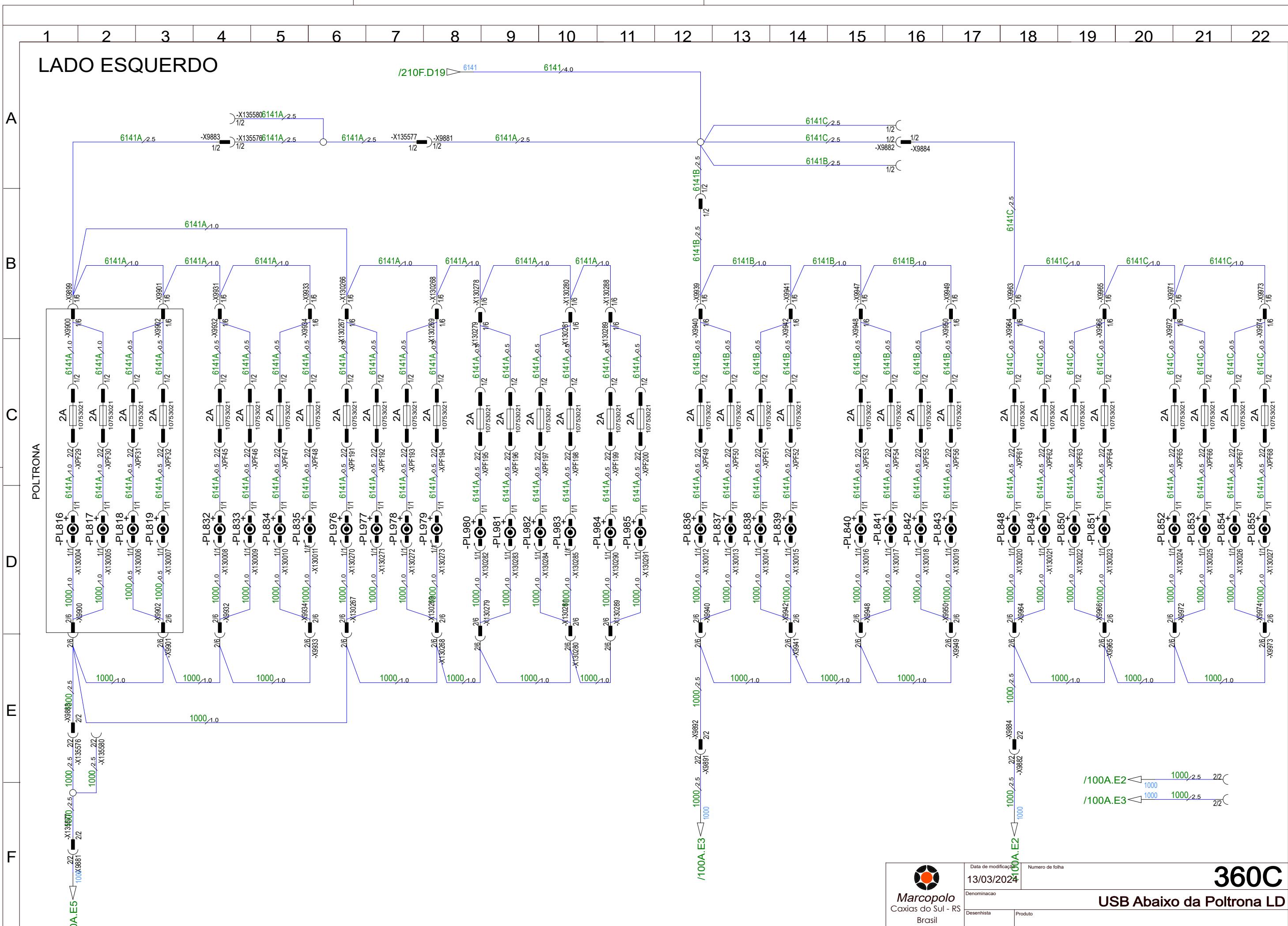


Esquemático Vista Superior	Interpretação Pinagem
X-XXX	Pino

Posição do relé







1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

LADO DIREITO

A

B

C

D

E

F

A

B

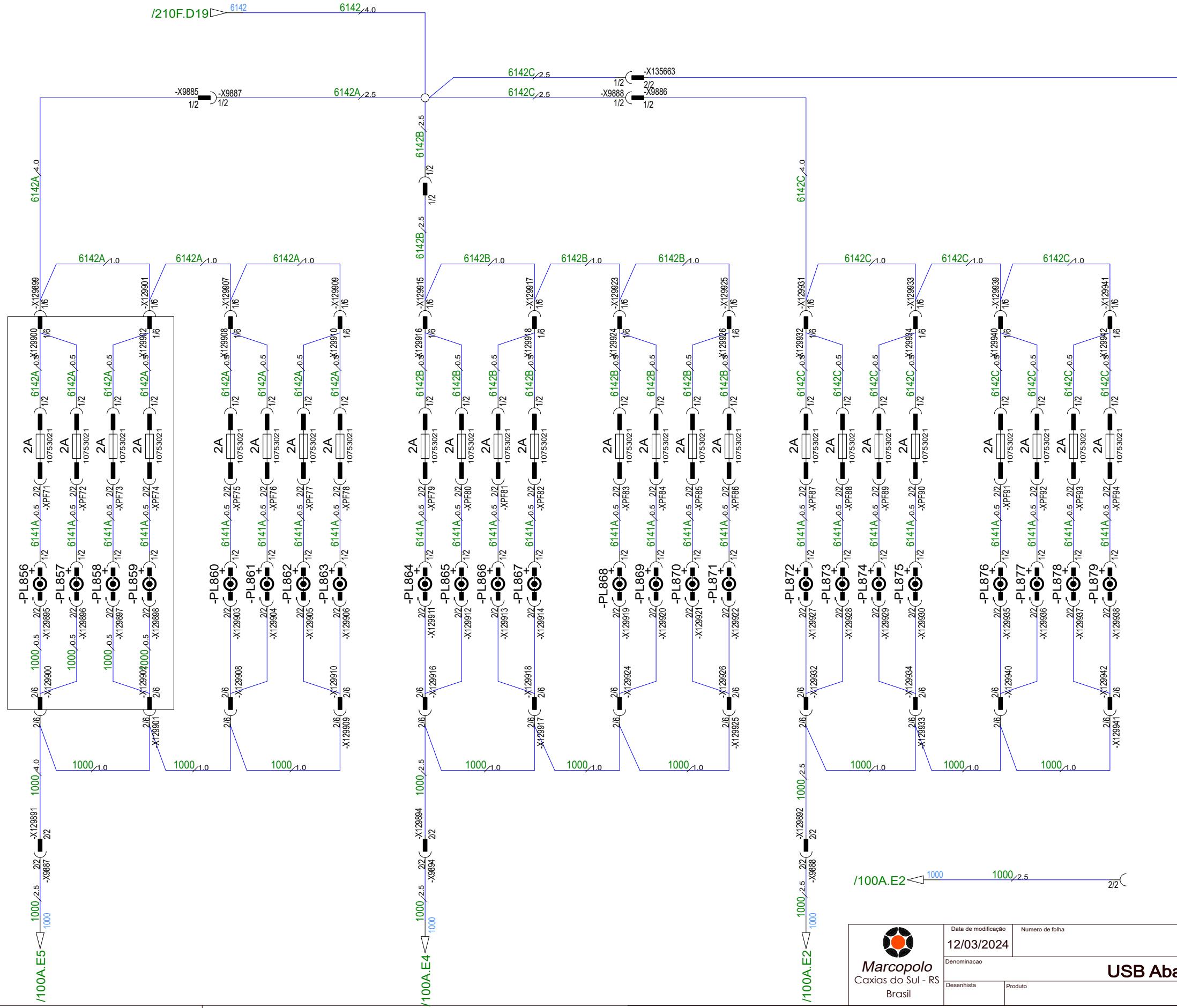
C

D

E

F

POLTRONA



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

614A

USB Cabine motorista



Data de modificação
10/02/2024
Número de folha

Denominação

Desenhista

Produto

-PL1123
X13587 X135486
1000 1.0

-PL1124
X135487 X135488
1000 1.0

6143 1.0

6143 1.0

6143 1.0

/100A-E15 □ 1000

/210F.D19

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

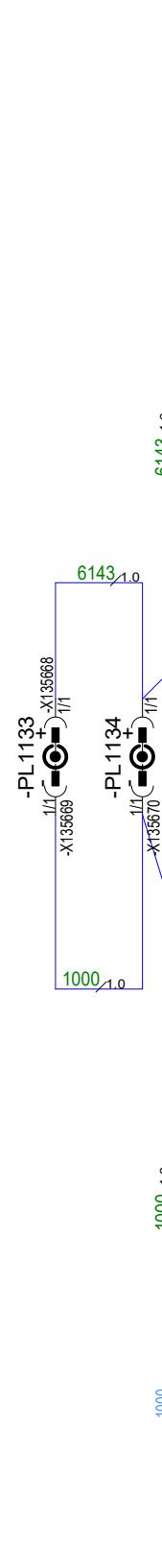
C

D

E

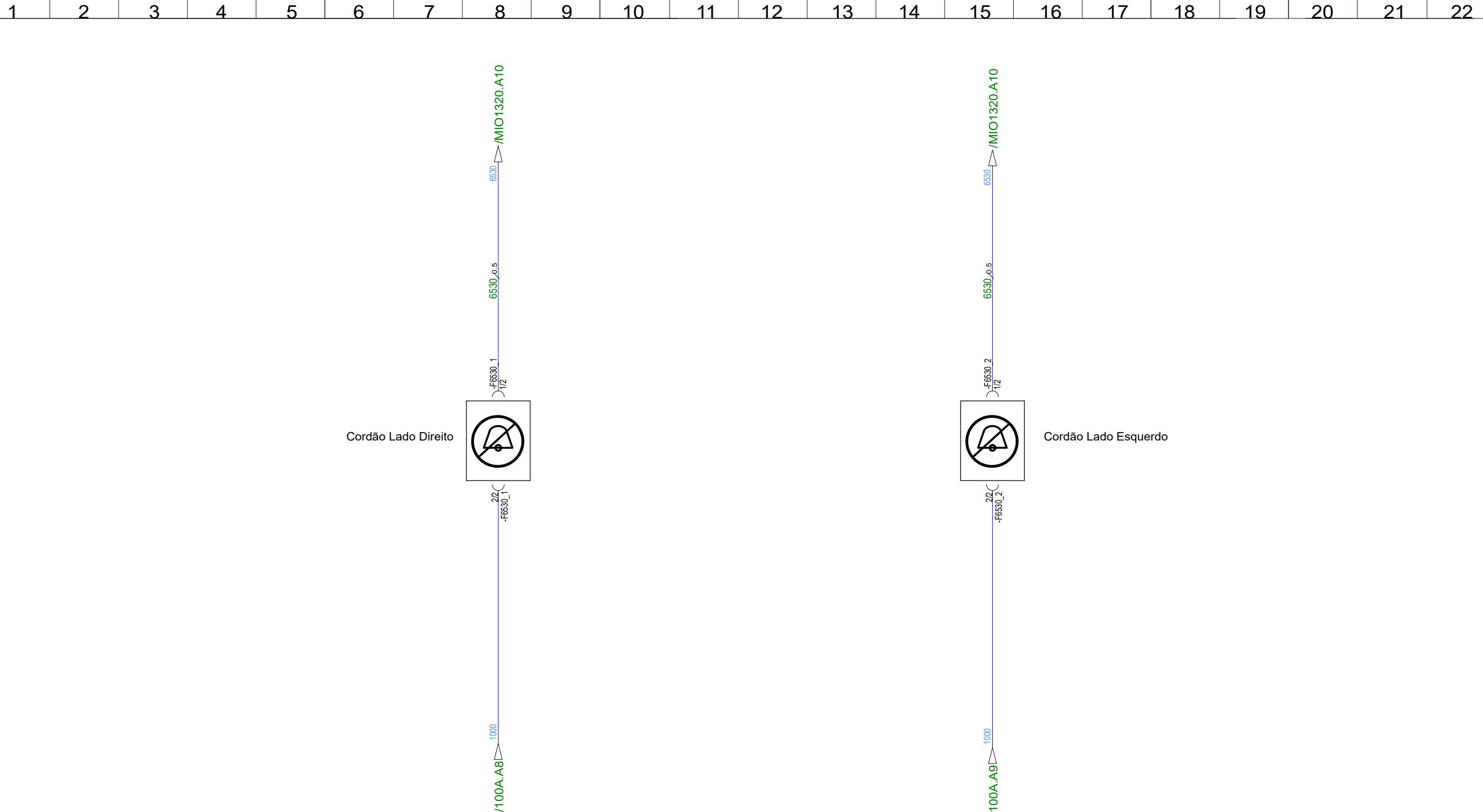
F

614B



 Marcopolo Caxias do Sul - RS Brasil	Data de modificação 13/03/2024	Número de folha
Denominação		
Desenhista	Produto	

USB proximo a caixa de equipamentos



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

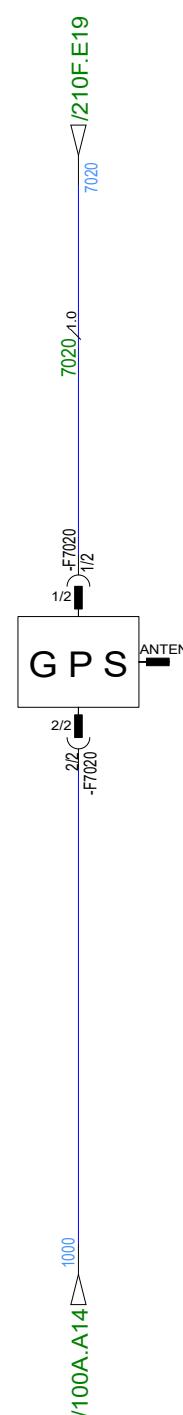
C

D

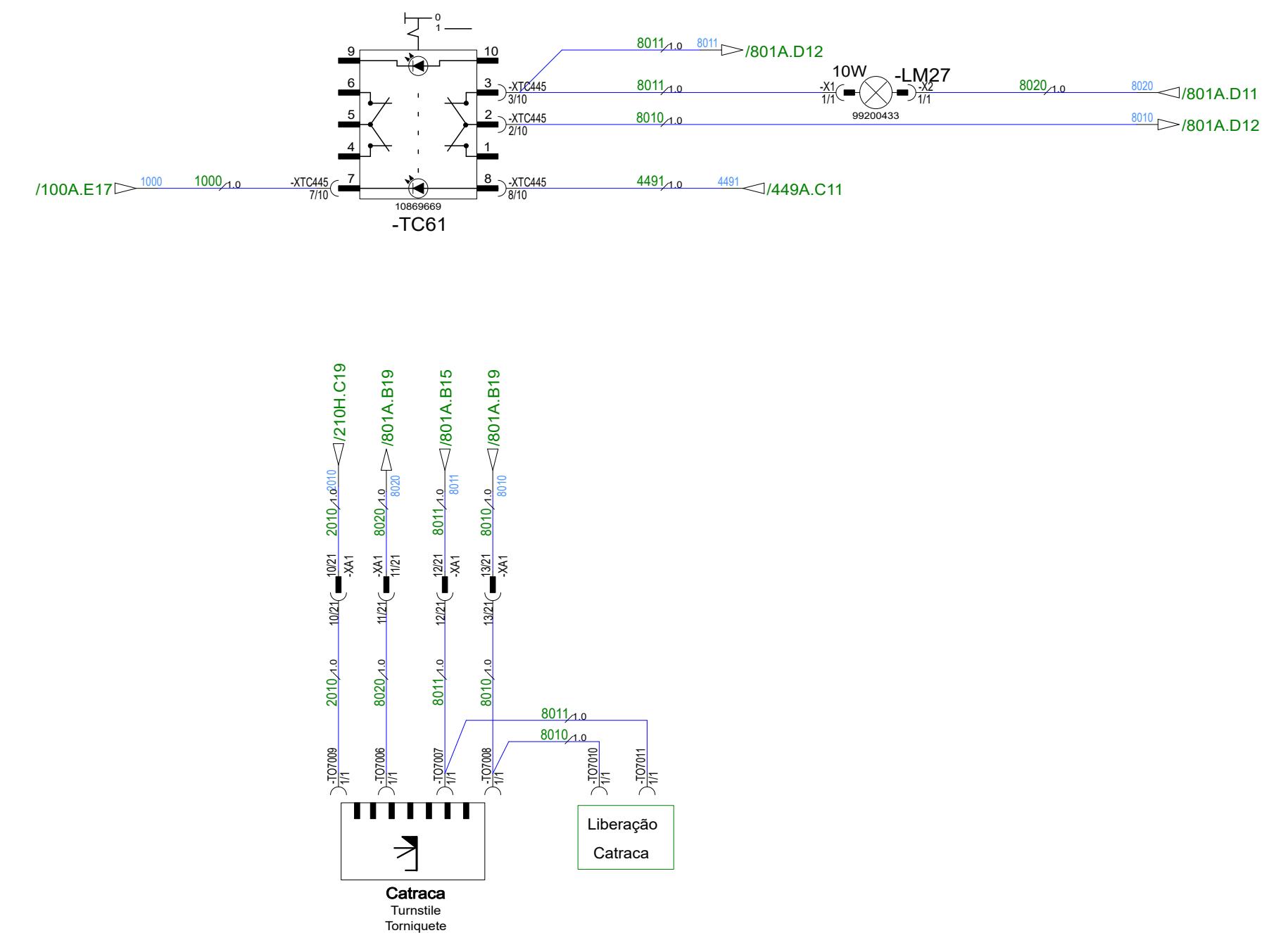
E

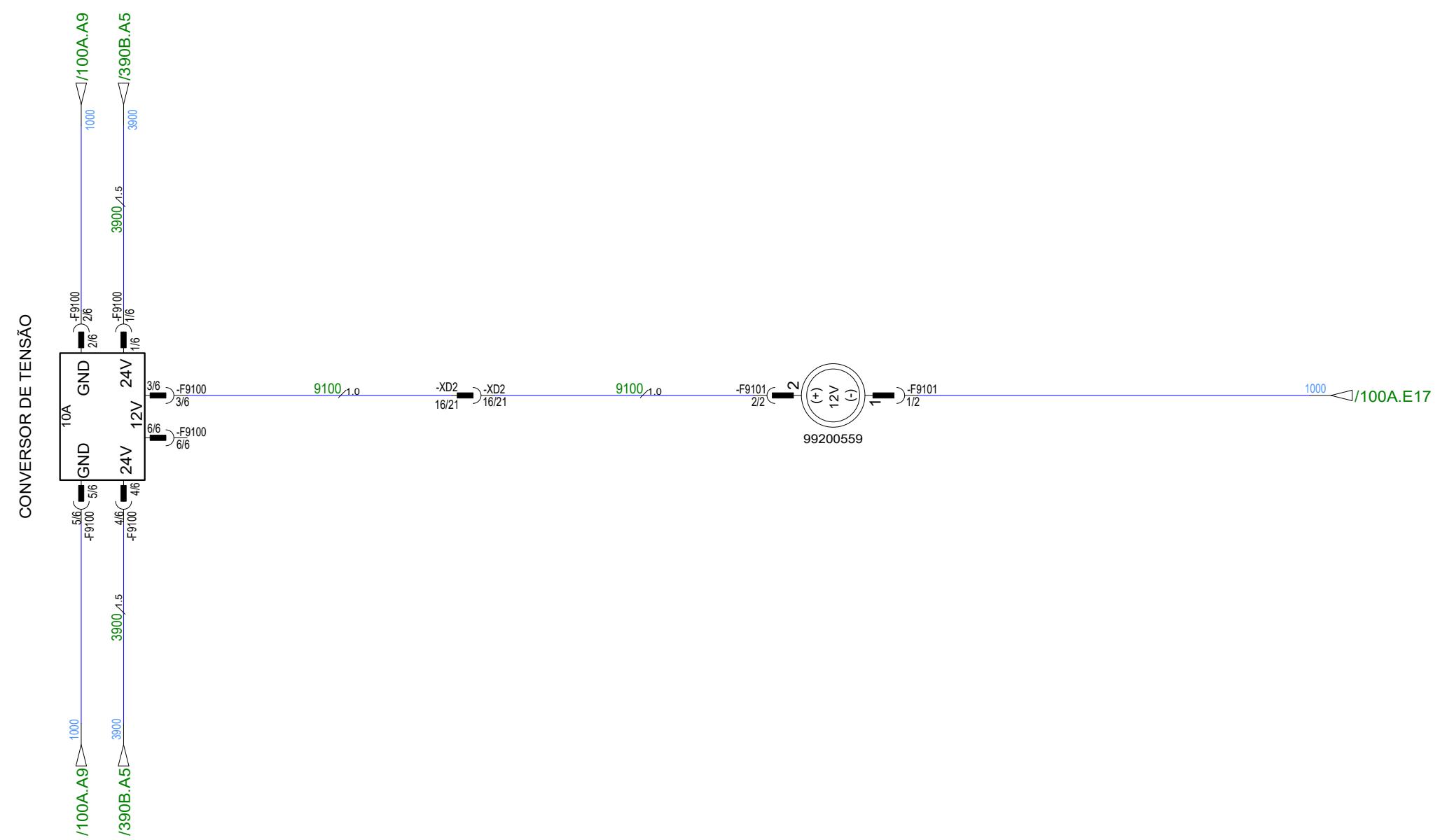
F

702A
GPS



 Marcopolo Caxias do Sul - RS Brasil	Data de modificação 07/03/2024	Número de folha
Denominação		
Desenhista	Produto	

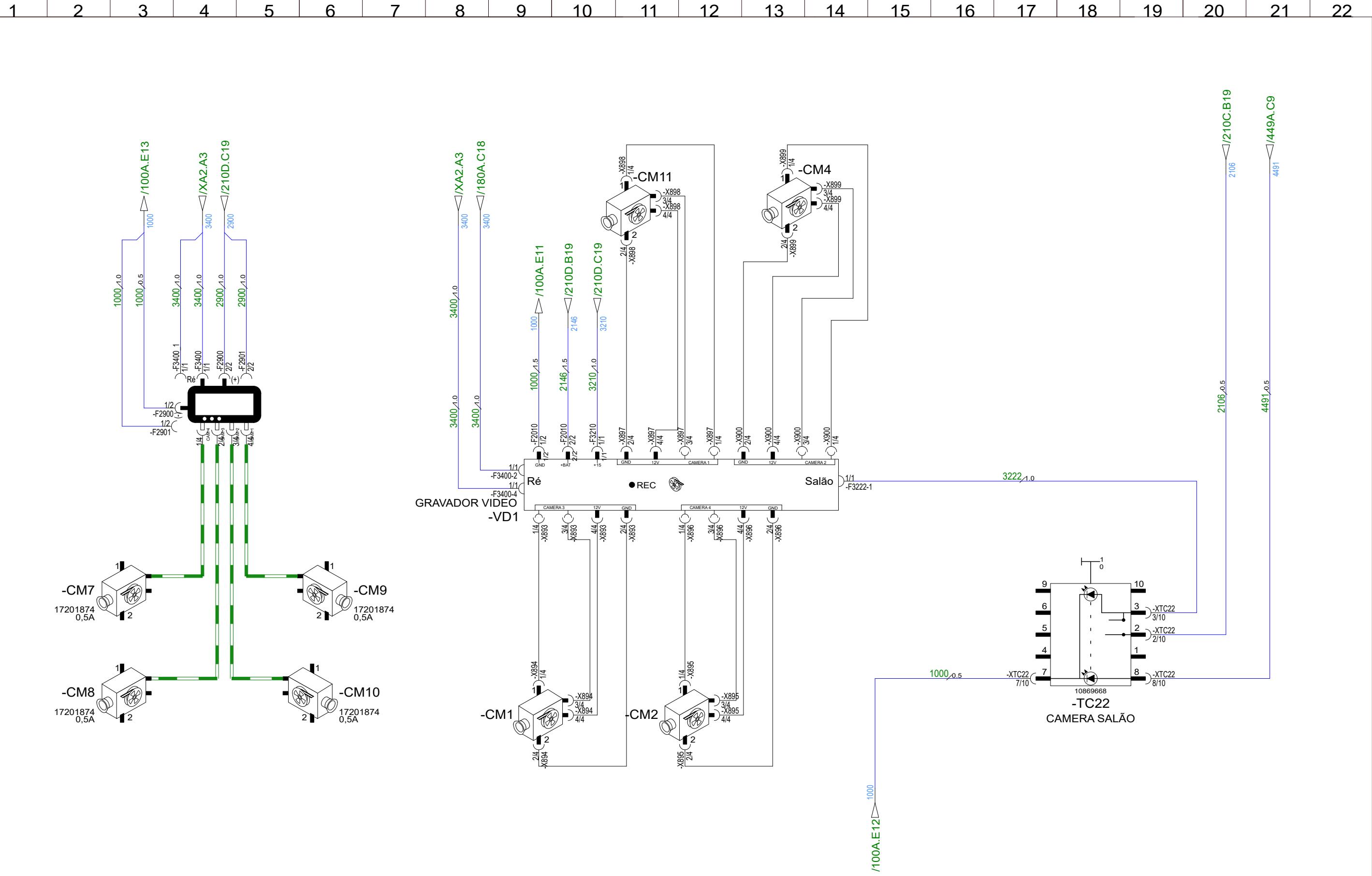




卷之三



	Data de modificação 07/03/2024	Número de folha 910A
Denominação Conversor e Tomada 12V		
Desenhista	Produto	
Marcopolo Caxias do Sul - RS Brasil		



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

DUTO LE

DUTO LD

A

B

C

D

E

F

A

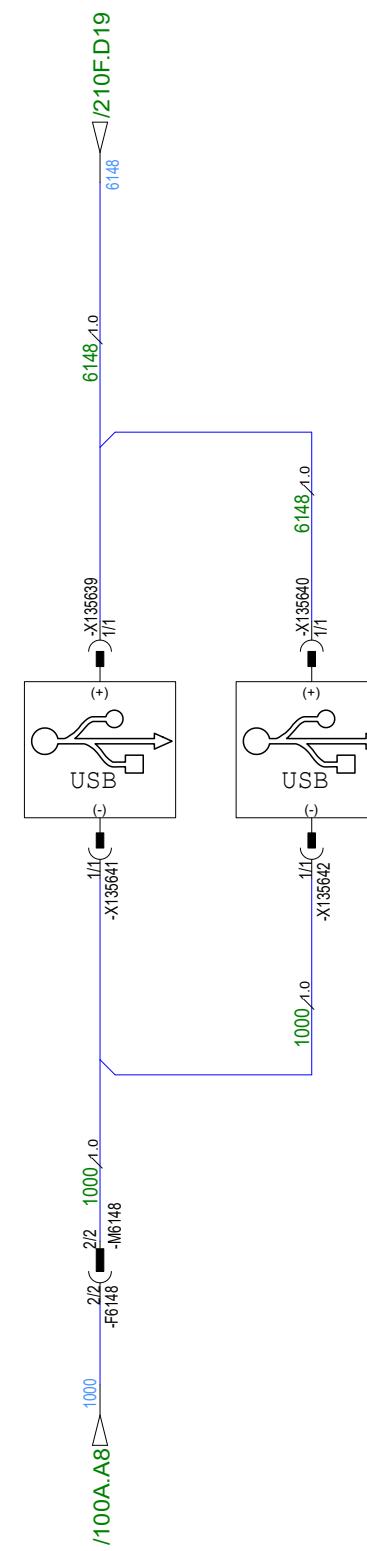
B

C

D

E

F



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

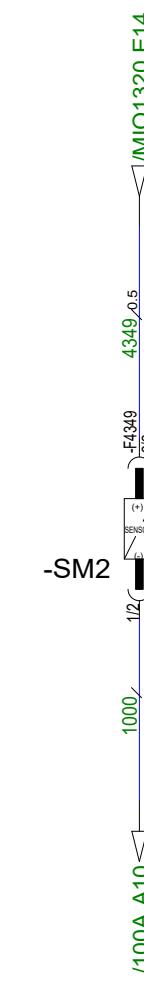
C

D

E

F

430A



 Marcopolo Caxias do Sul - RS Brasil	Data de modificação 13/03/2024	Número de folha
	Denominação	
	Desenhista	Produto

Sensor Temperatura Cabine

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

431A

/550B-E18 □ 1000,05
-X135587 22 C 1/2
17201616
-SM47
1000,05
4317,05
4317 □ /MIO0808.B17

 Marcopolo Caxias do Sul - RS Brasil	Data de modificação 04/03/2024	Número de folha
Denominação		
Desenhista	Produto	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

A

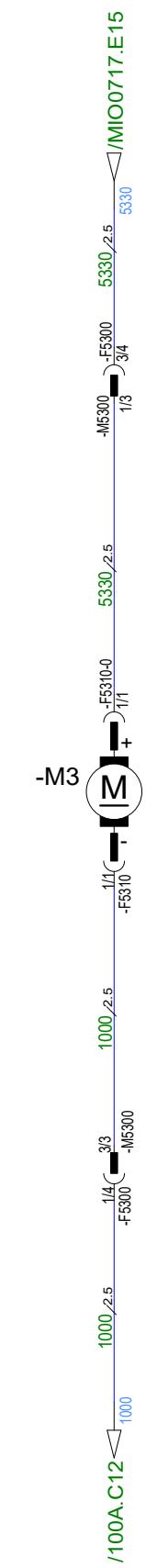
E

6

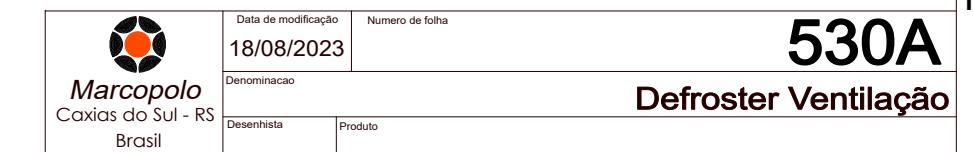
1

E

F



Chicote Defroster 10467765



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

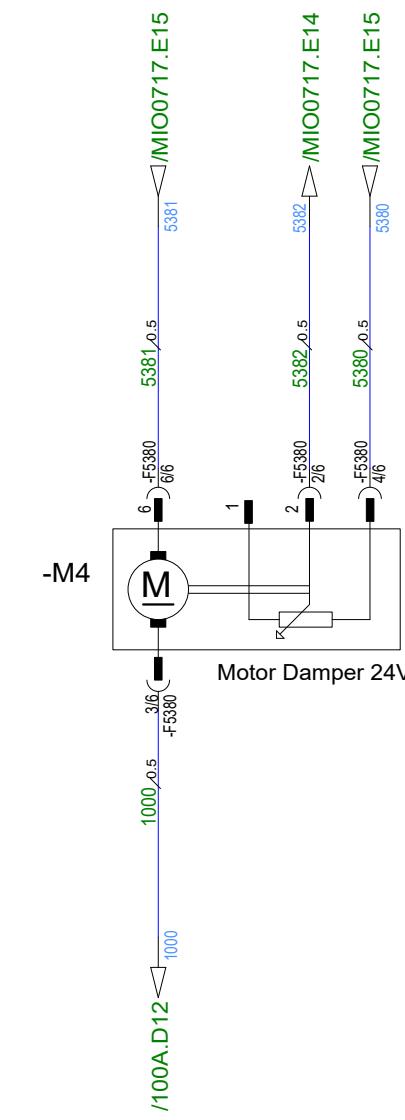
D

E

F

530B

Defroster Damper



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

8

F

A

E

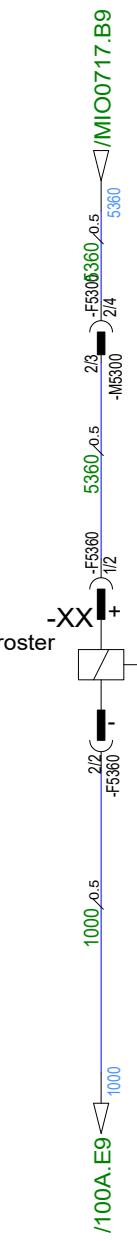
1

1

B

1

Válvula de Aquecimento Def



	Data de modificação 10/02/2024	Numero de folha 530C
<i>Marcopolo</i> Caxias do Sul - RS Brasil	Denominação Desenhista	Derfroster Refrigeração Produto

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

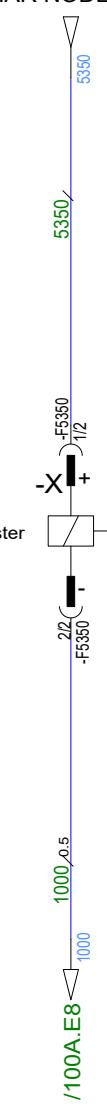
D

E

F

CRIAR NODELIST

Válvula de Aquecimento Defroster



 Marcopolo Caxias do Sul - RS Brasil	Data de modificação 26/04/2023	Número de folha
Denominação		
Desenhista	Produto	

530D

Defroster Aquecimento

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

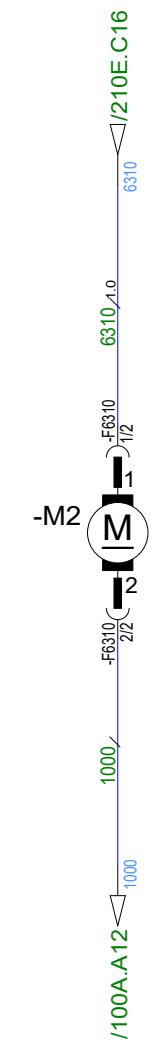
C

D

三

F

1



	Data de modificação 13/03/2024	Numero de folha
Marcopolo Caxias do Sul - RS Brasil	Denominação	630A Ventilador Motorista
	Desenhista	Produto

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

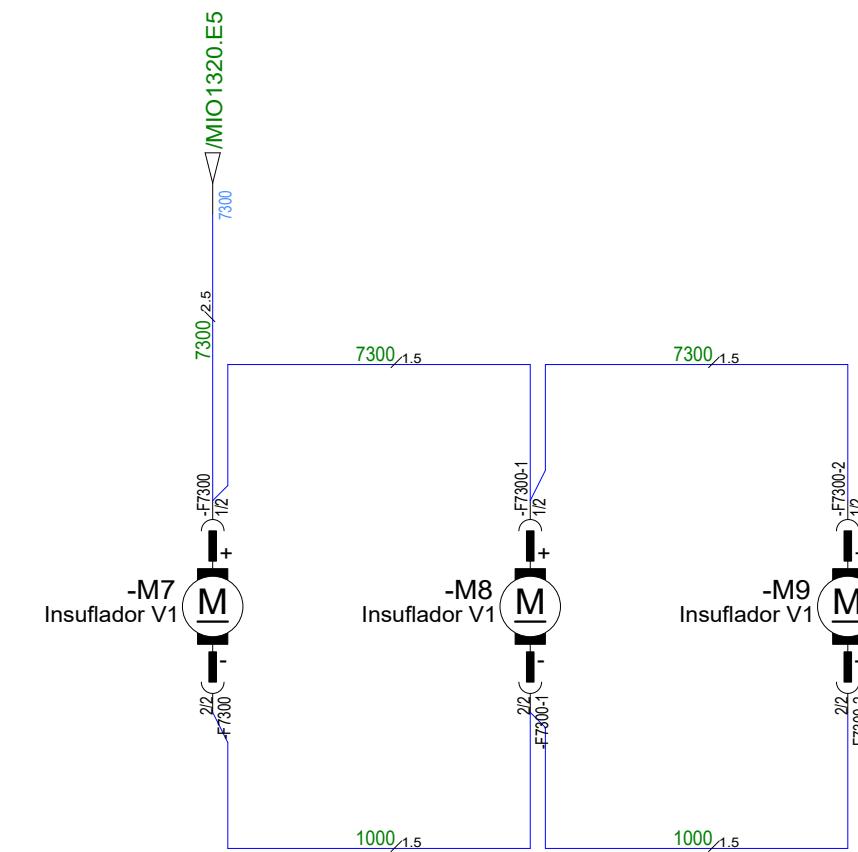
D

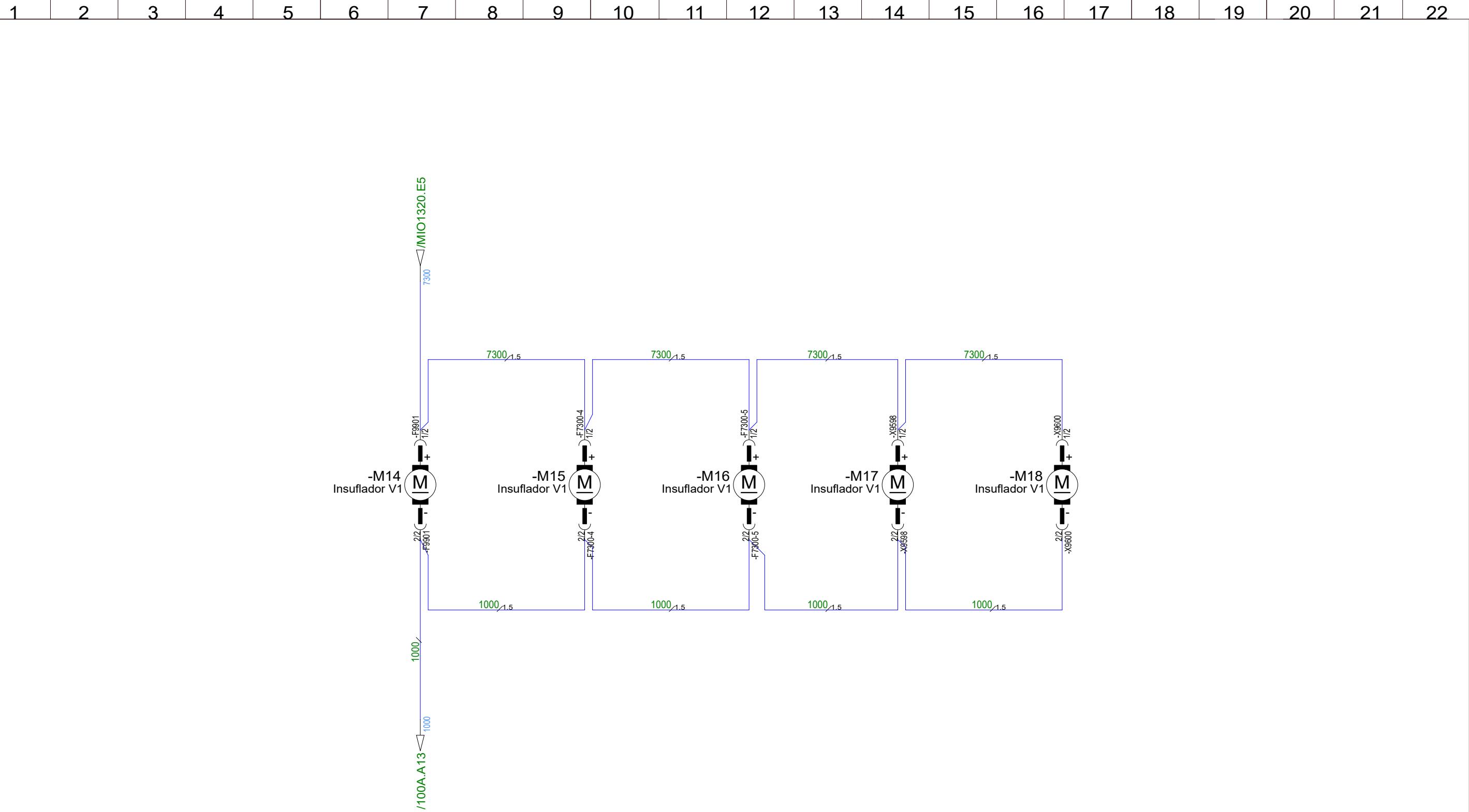
E

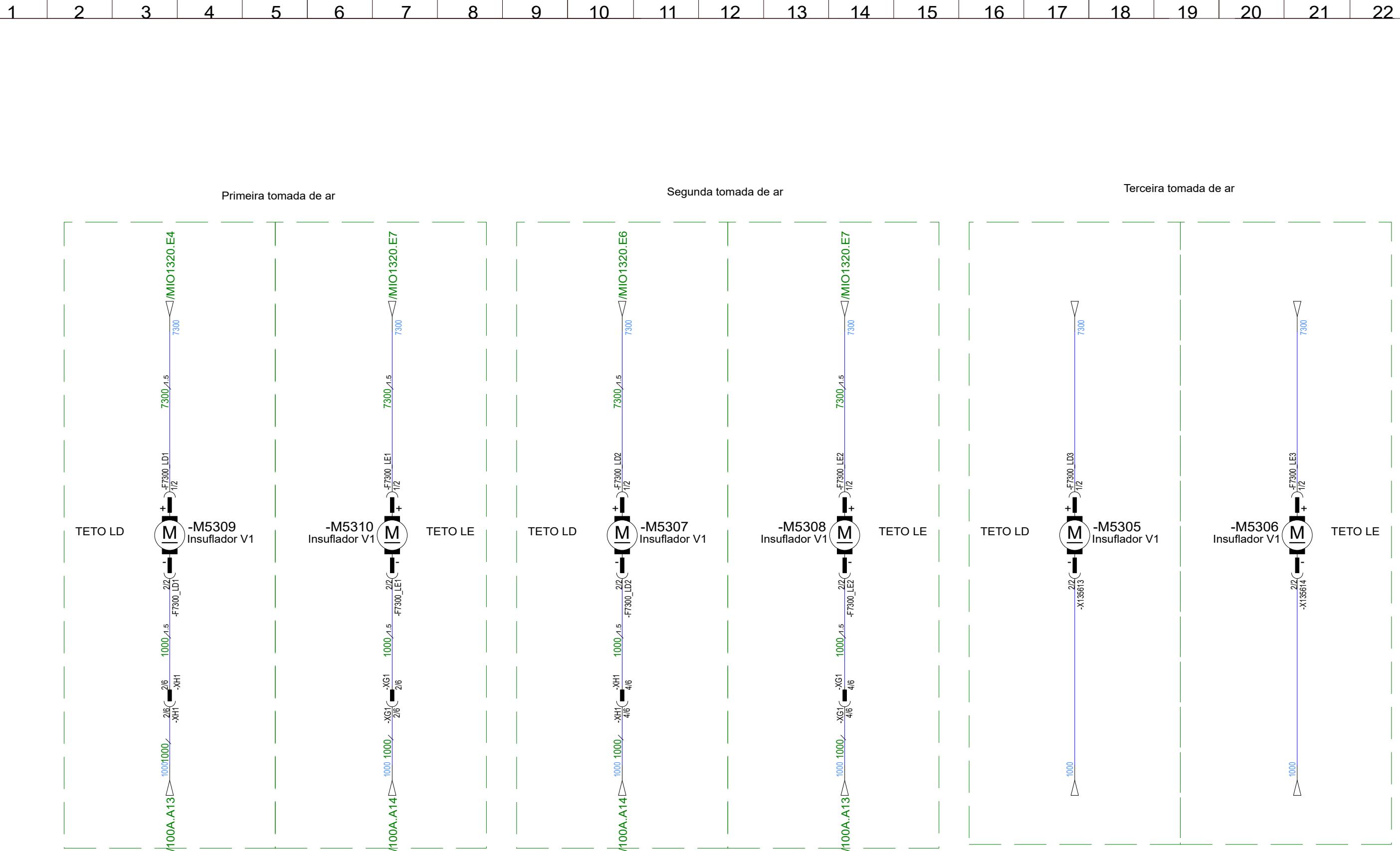
F

730A

Insufl/Exaust Quanti 3







1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

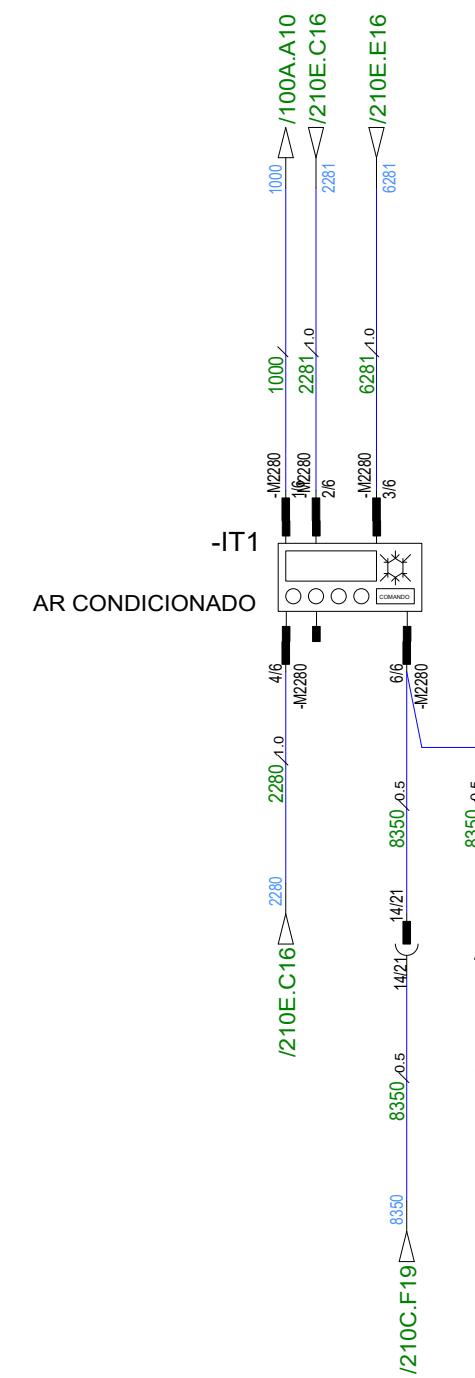
830A

Interface Ar Condicionado



Data de modificação	Numero de folha
13/03/2024	

Denominação	
Desenhista	Produto



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

A

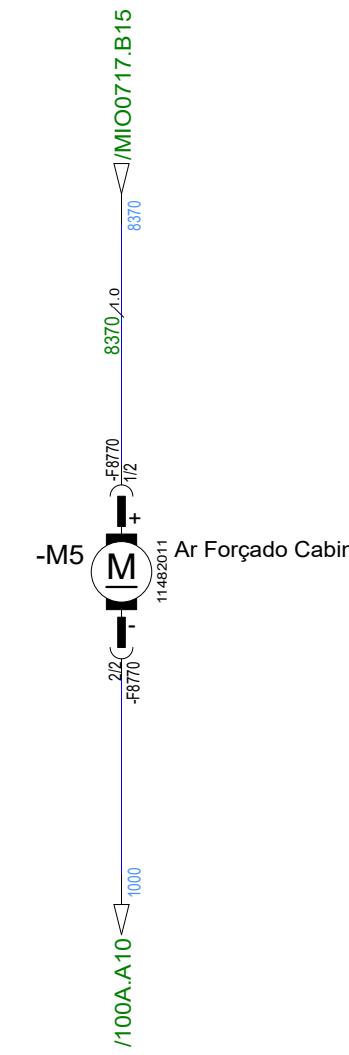
B

C

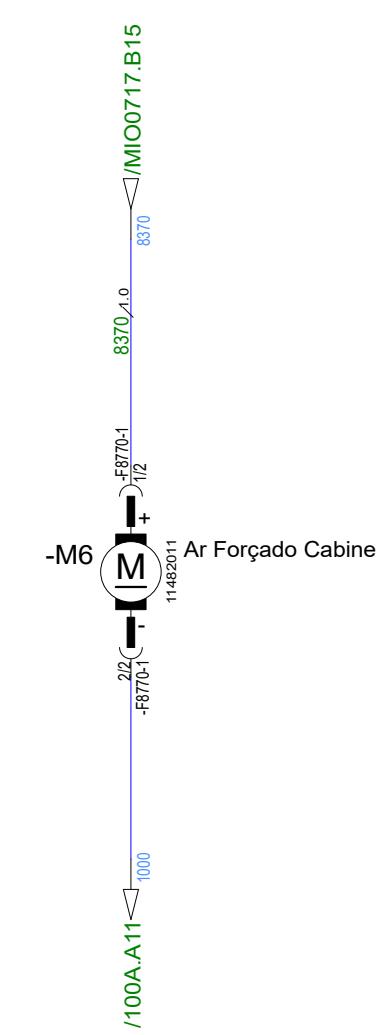
D

E

F



-M5 Ar Forçado Cabine 1
11483011



-M6 Ar Forçado Cabine 2
11483011

	Data de modificação 26/02/2024	Número de folha
Denominação		
Desenhista	Produto	

930A

Ar Forçado Motorista

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

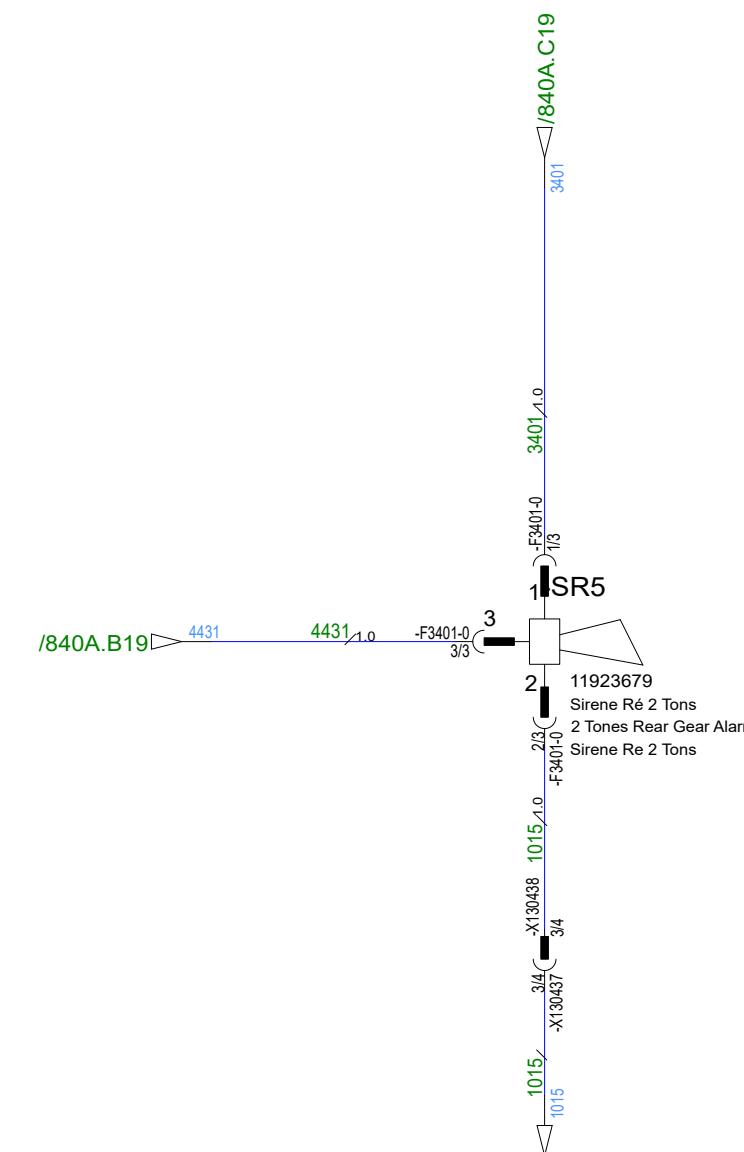
D

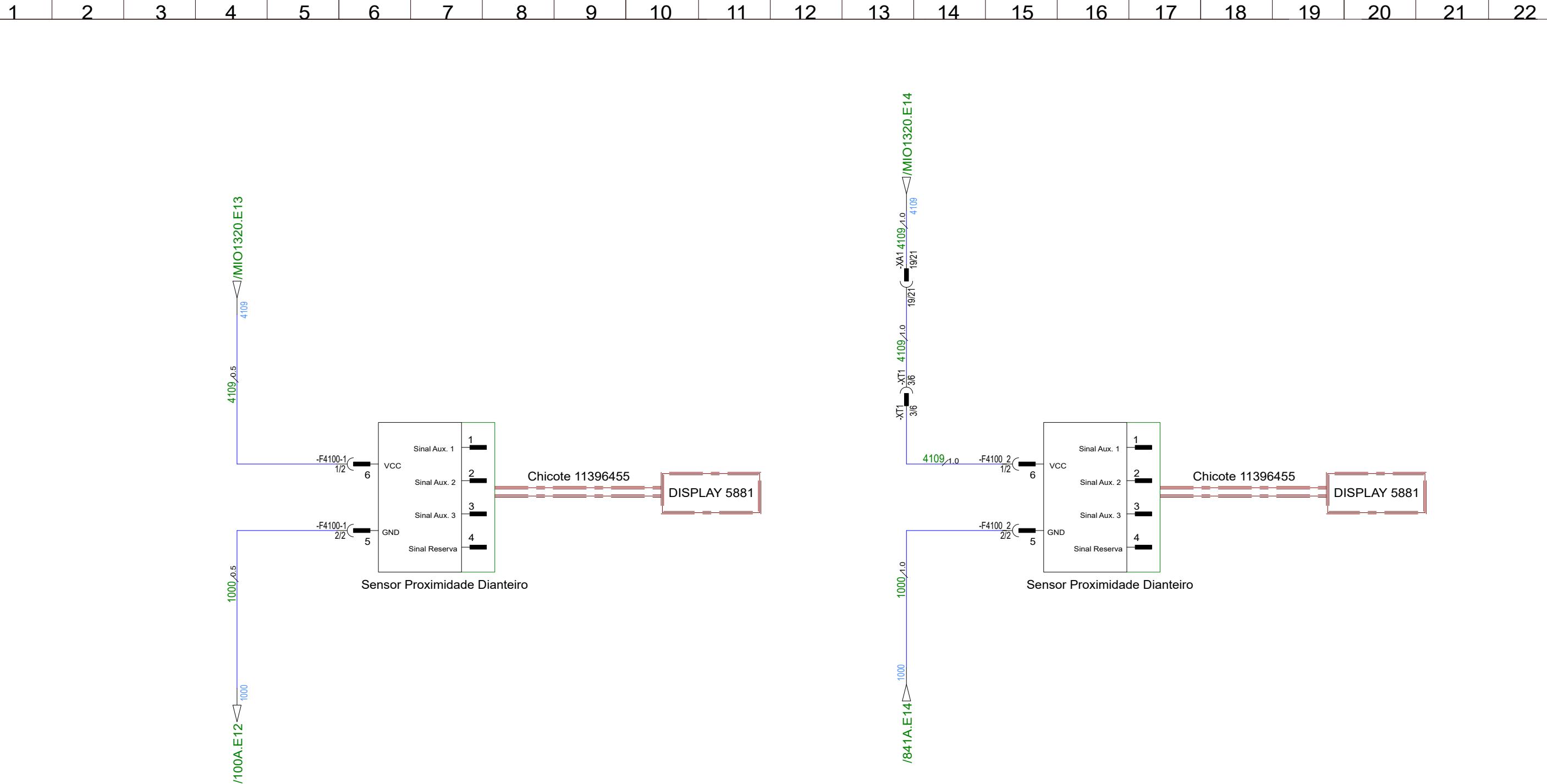
E

F

340B

Sirene de Ré





1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

A

B

B

C

C

D

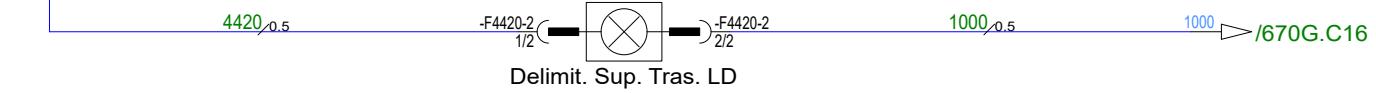
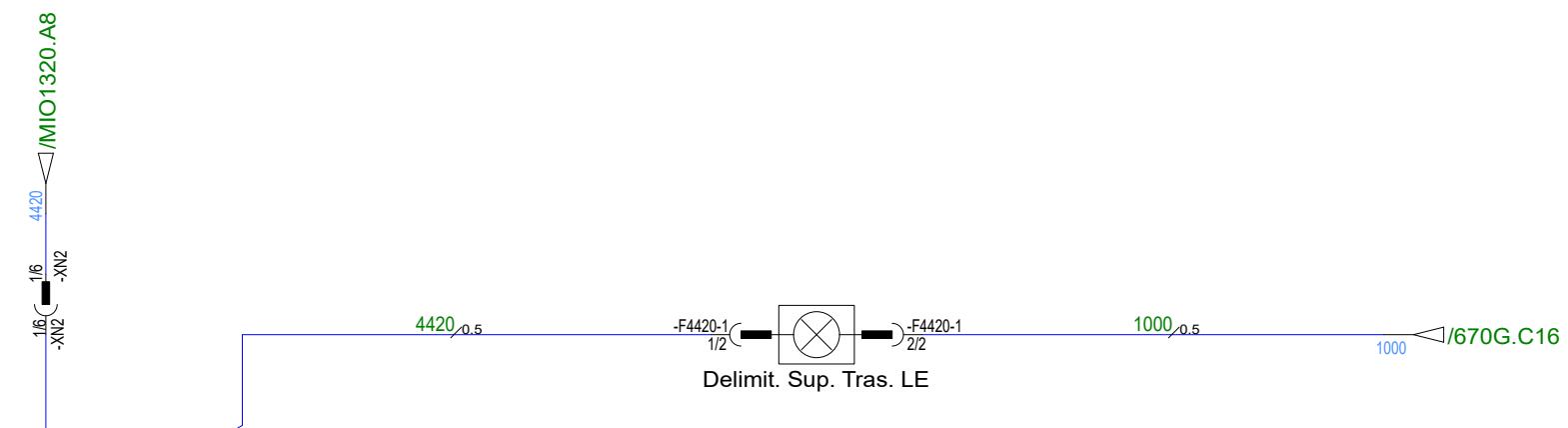
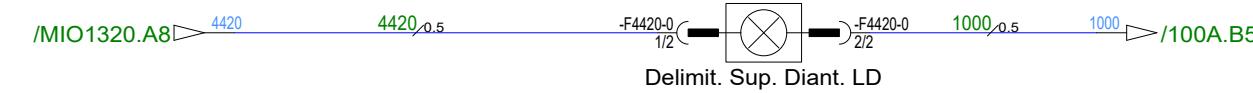
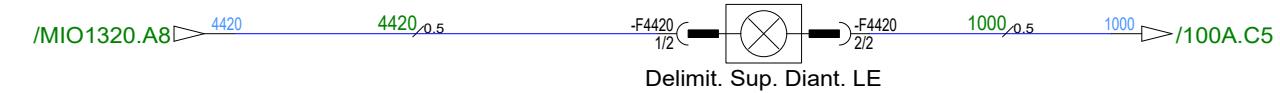
D

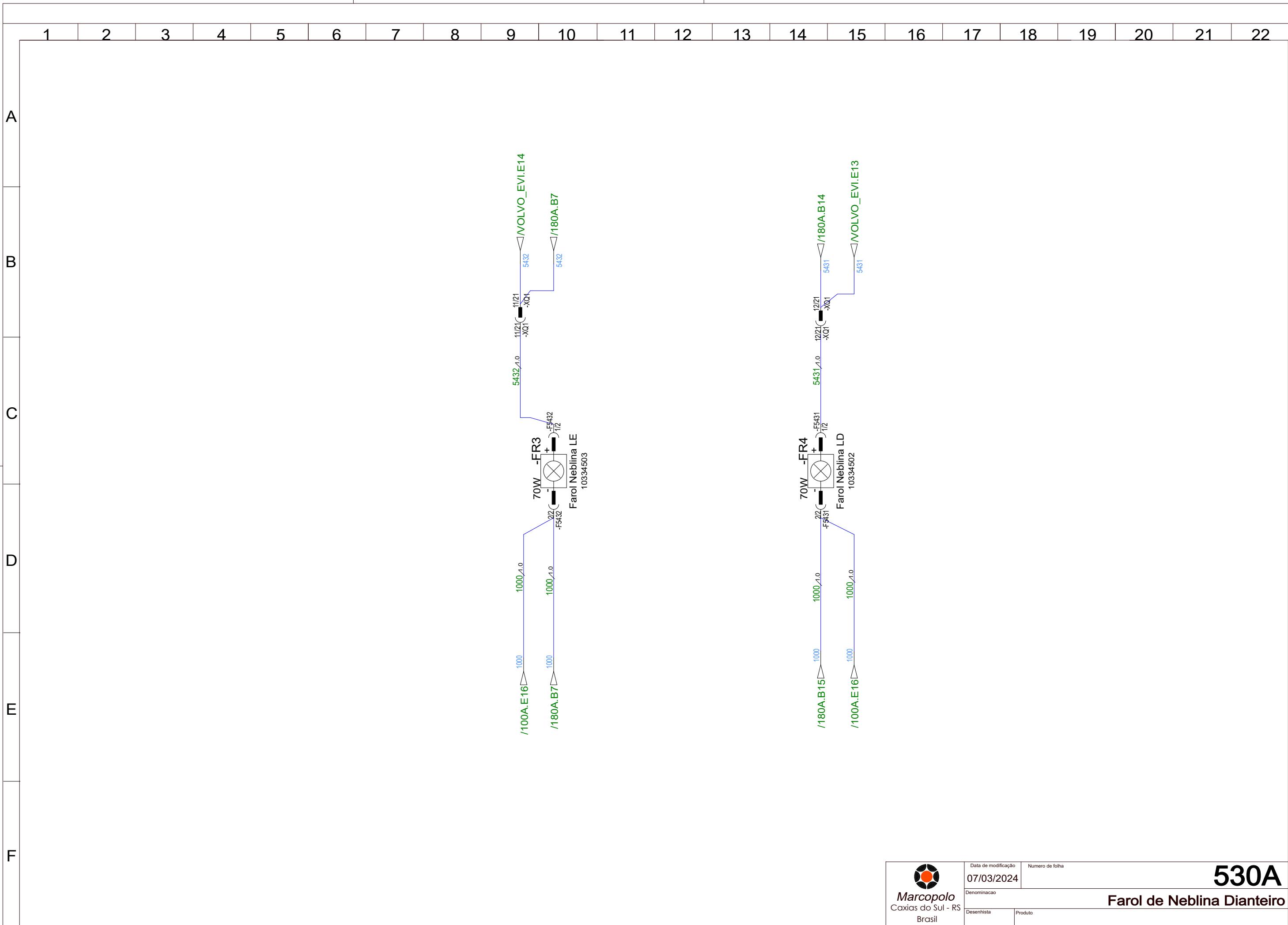
E

E

F

F





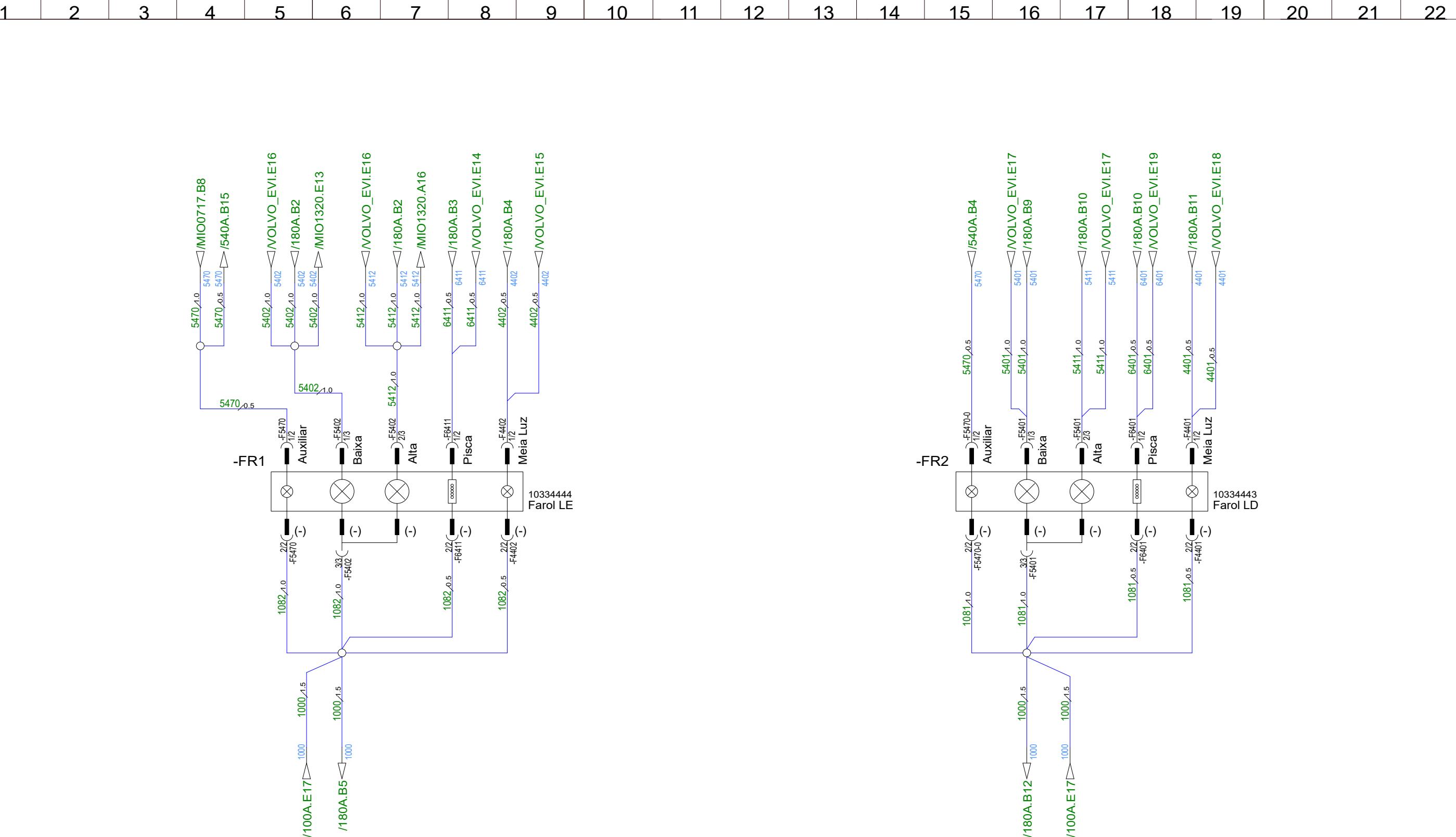
Marcopolo
Caxias do Sul - RS
Brasil

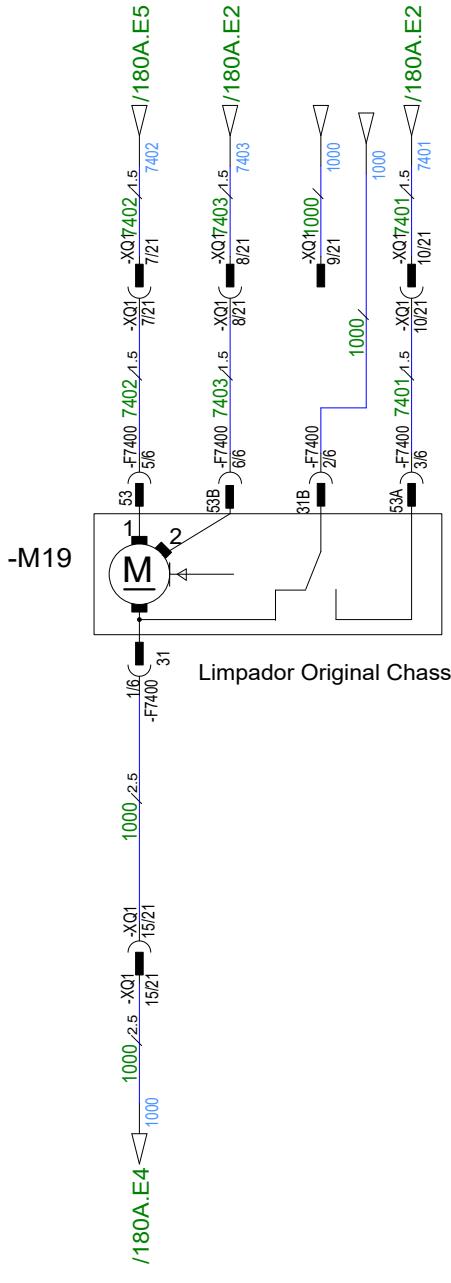
Data de modificação
07/03/2024

Denominacao	
Desenhista	Produto

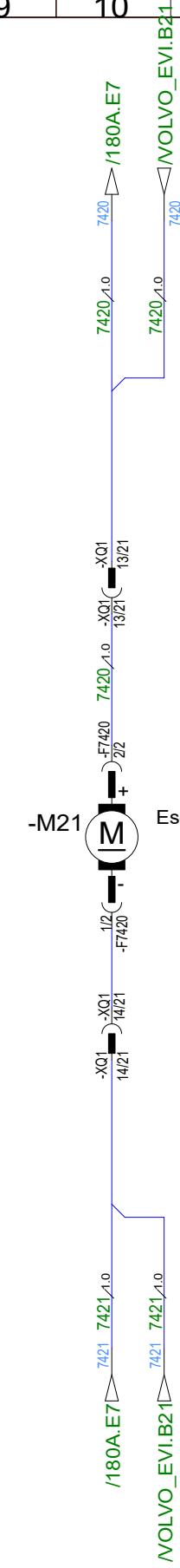
530A

Farol de Neblina Dianteiro

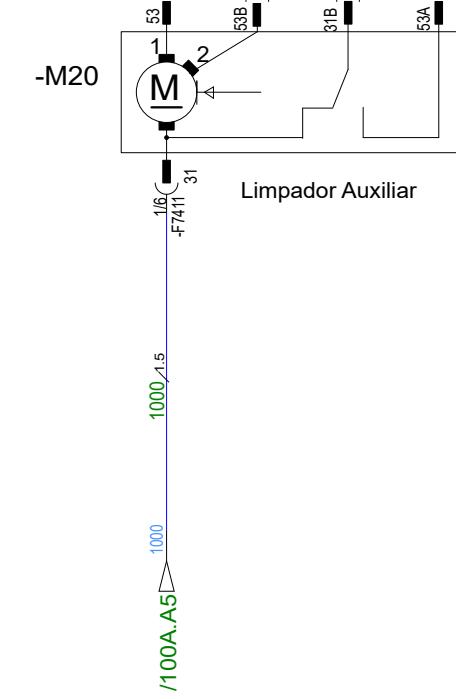




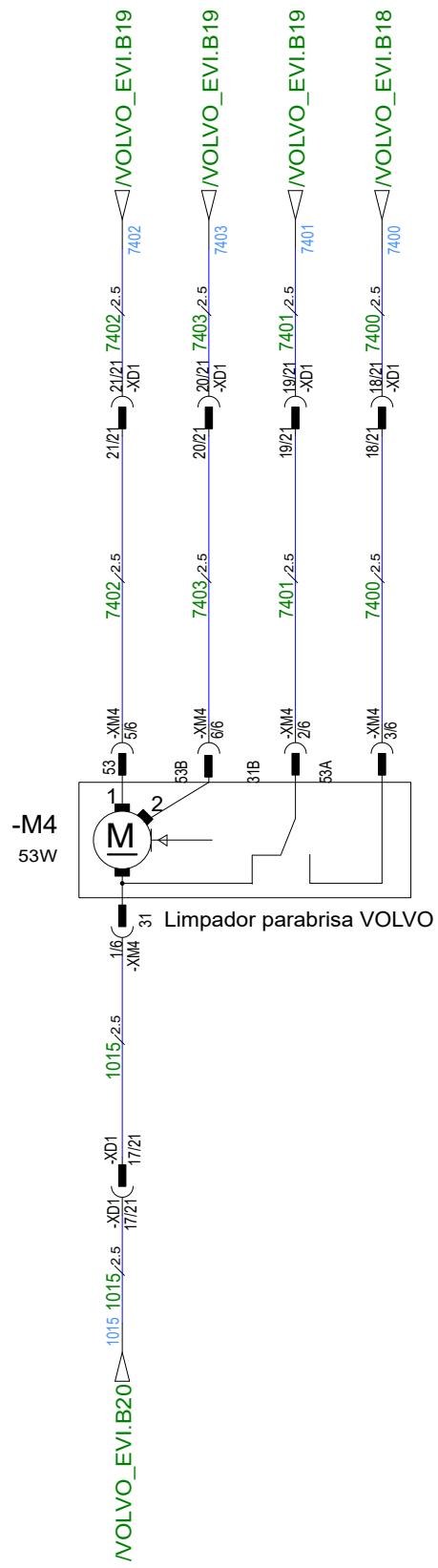
Limpador Original Chass



Esguichos



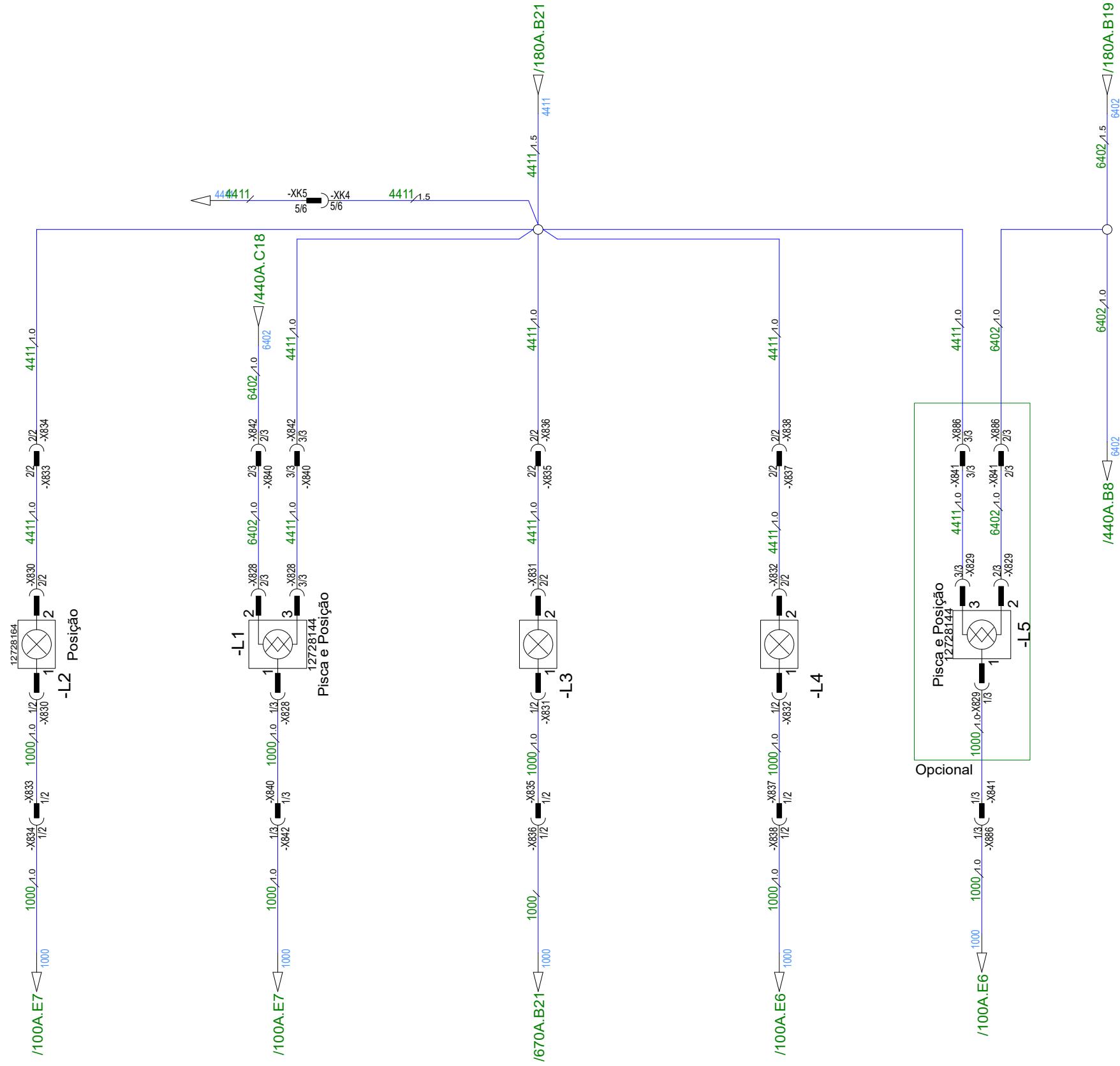
Limpador Auxiliar

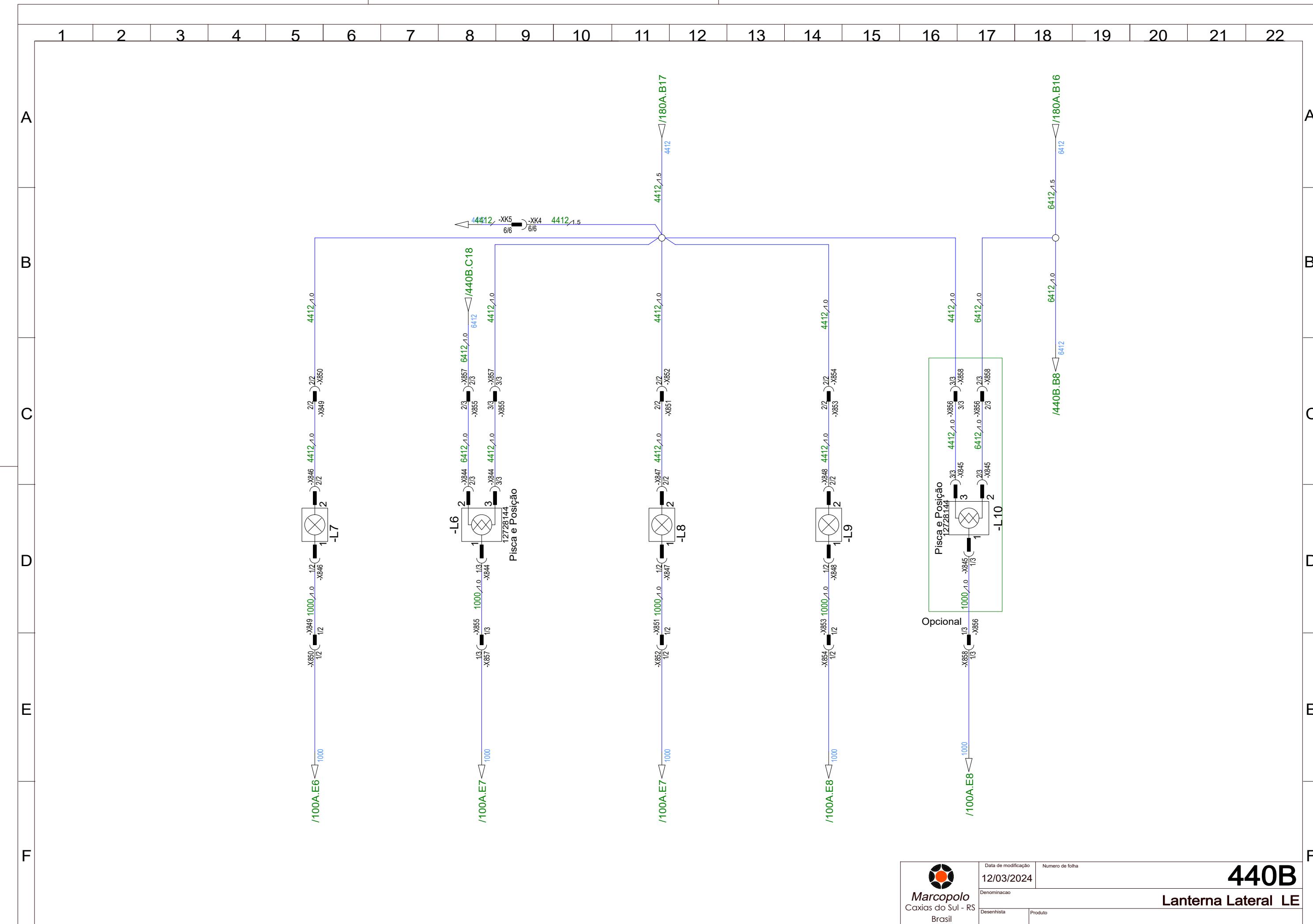


Limpador Parabrisa

Limpador Parabrisa

 <p><i>Marcopolo</i> Caxias do Sul - RS Brasil</p>	Data de modificação 05/03/2024	Numero de folha
	Denominação	740A
	Desenhista	Limpador Parabrisa
	Produto	





Marcopolo
Caxias do Sul - RS
Brasil

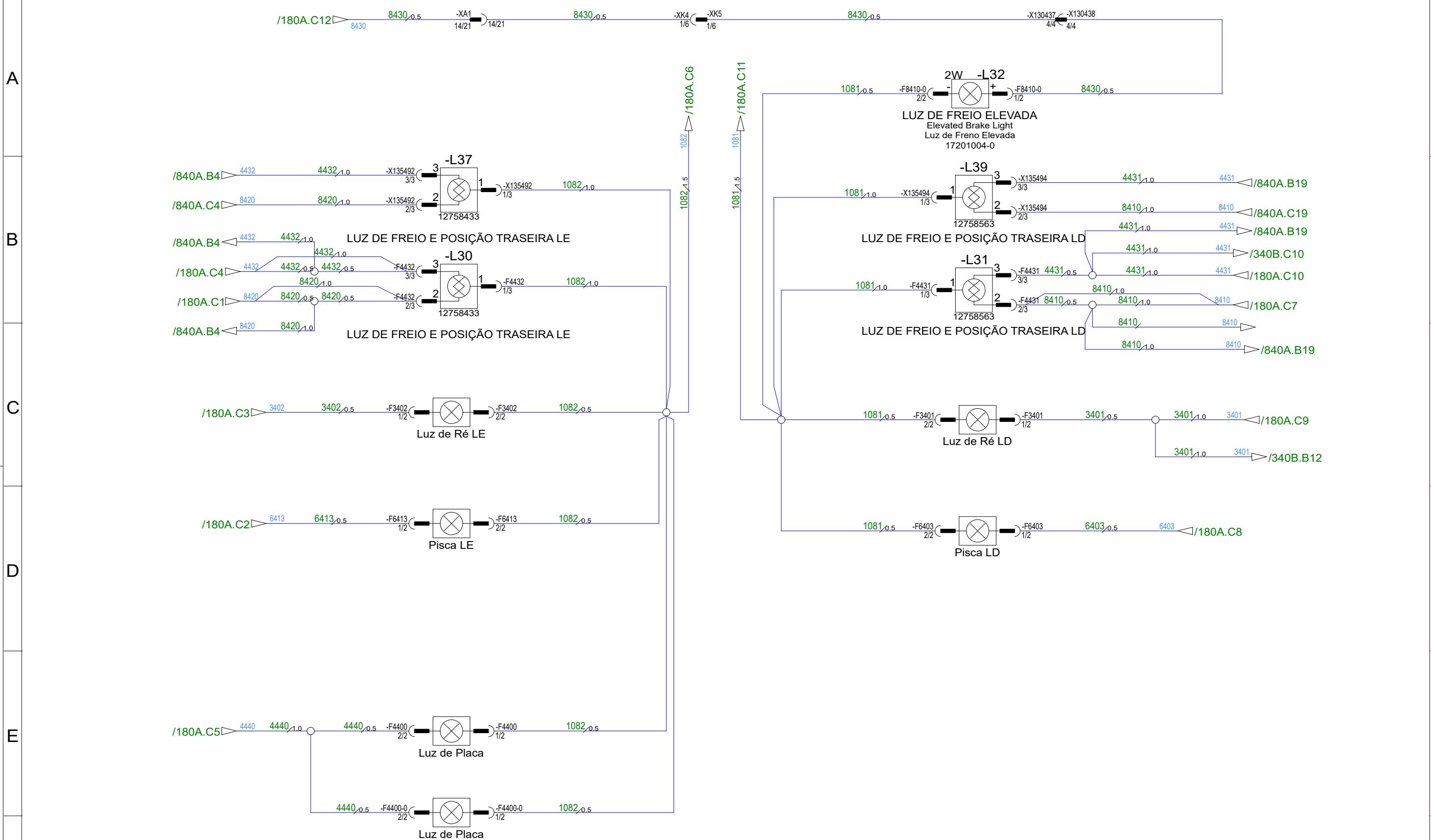
ata de modificação | Número de folha
2/03/2024 |
emissões

Senhor/a	Profissão

440B

Lanterna Lateral LE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22



Lado Direito

A

B

C

D

E

F

A

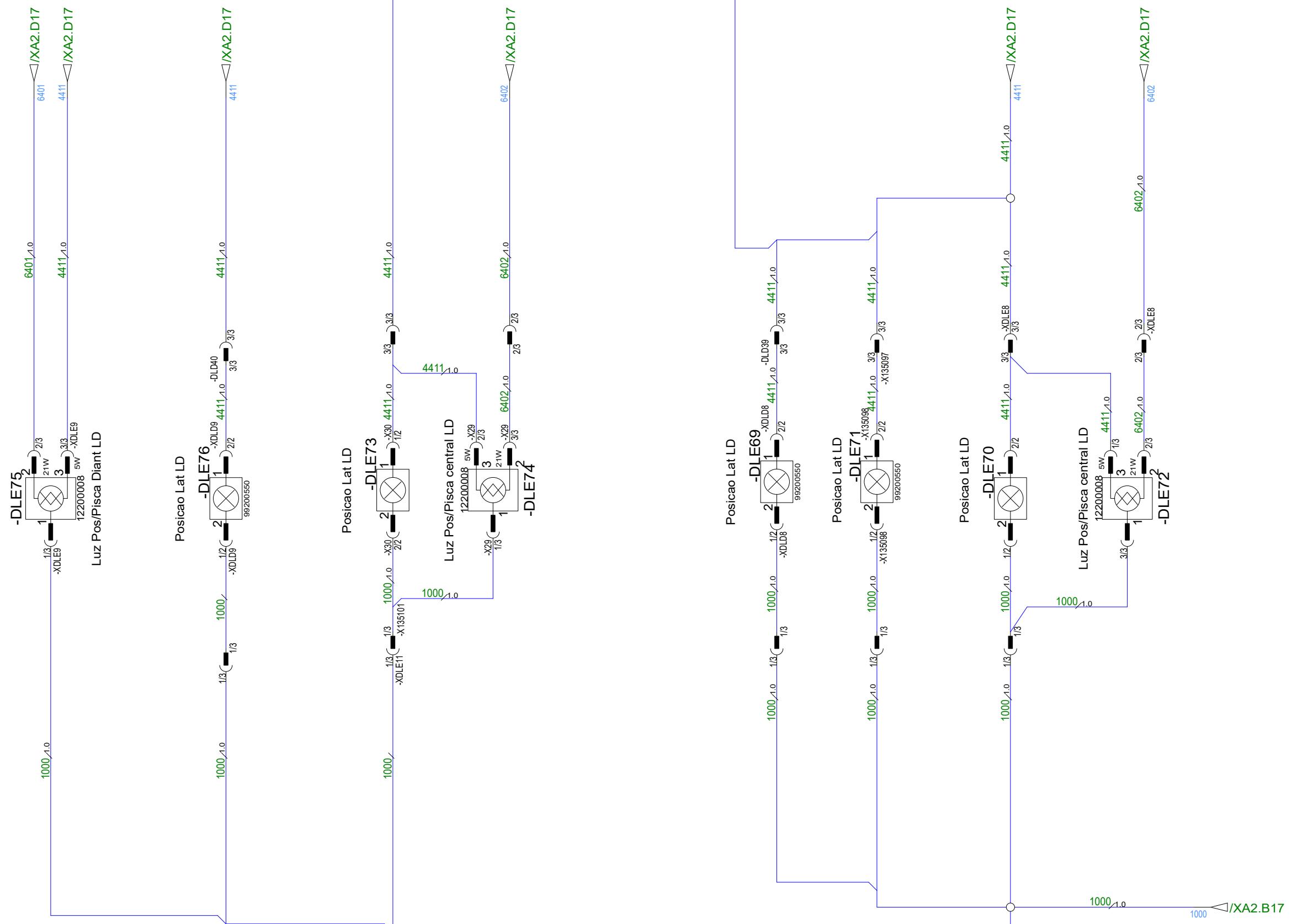
1

1

1

10

1



Lado Esquierdo

A

B

C

D

E

F

Domicile at 15

Luz FUs/FIsca D'alt LE

-DLE65
x28 1 -x28 4412_1.0
2 -x28 12
22 -x28 33

Luz Pos/Pisca central LE

-DLE88

Decision I at 1 E

-DLE6
1
2
-XLD6
1/2 C
1000_1.0
1/3 C
1000_0.5

Posicao Lat LE
-DLE63

99200550

Posicao Lat LE

Luz Pos/Pisca central LE
122000008 5W

-DIE62 -XAE62 -XDE62 -XAE10 -XDE10 -XAE12 -XDE12 -XAE17 -XDE17

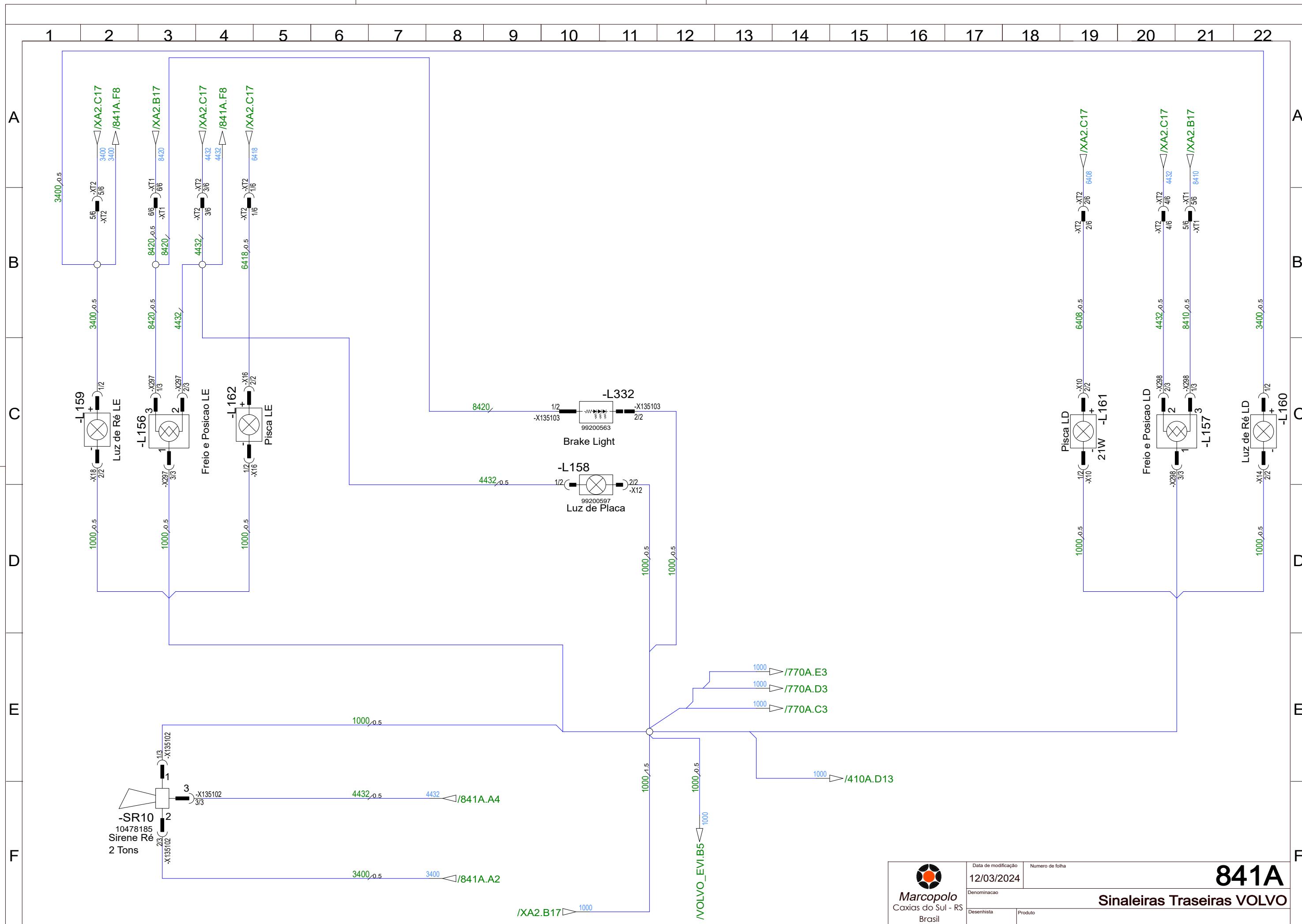
/XA2.B17

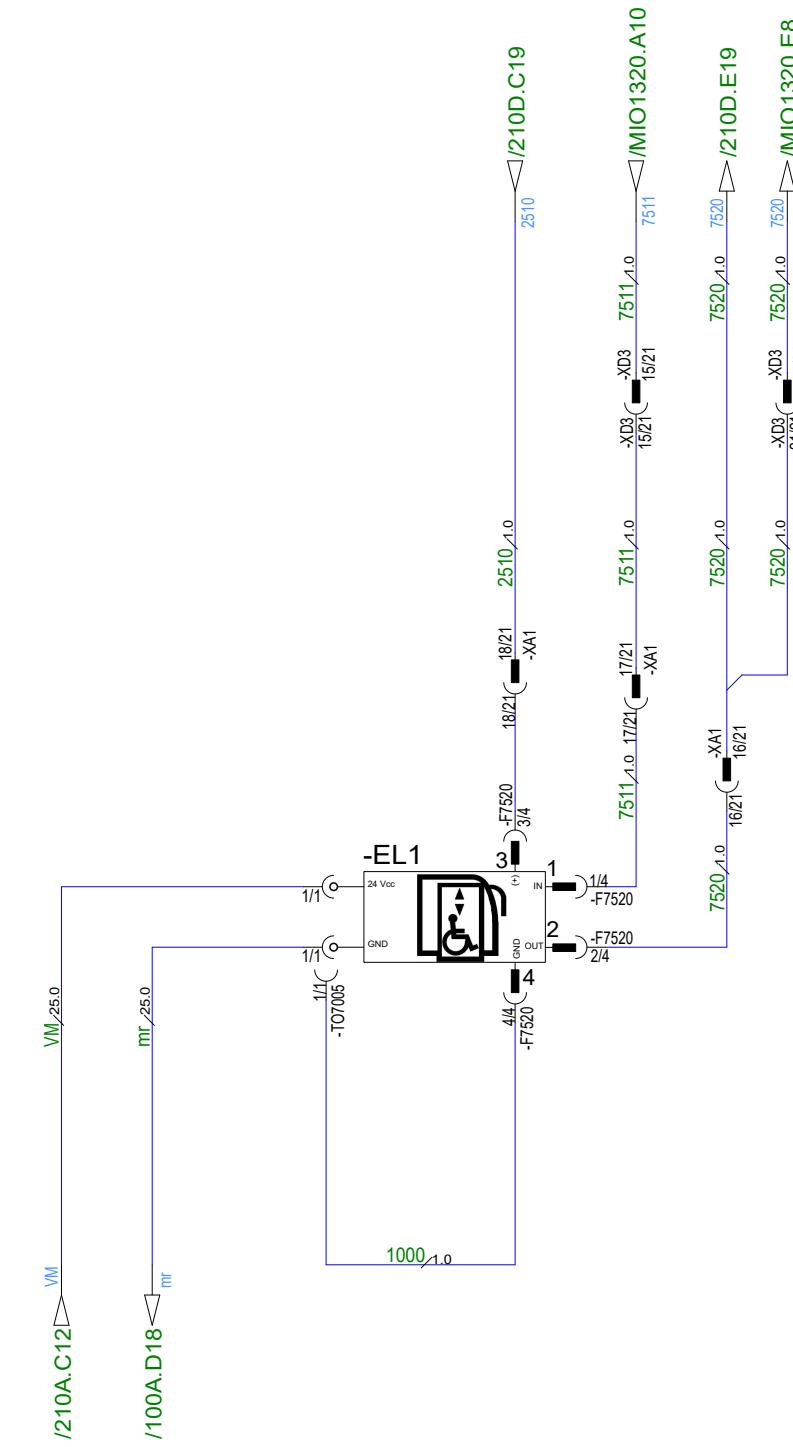


Marcopolo
Caxias do Sul - RS
Brasil

Data de modificação	Número de folha
2/03/2024	
Omissão	
Ensinista	Produto

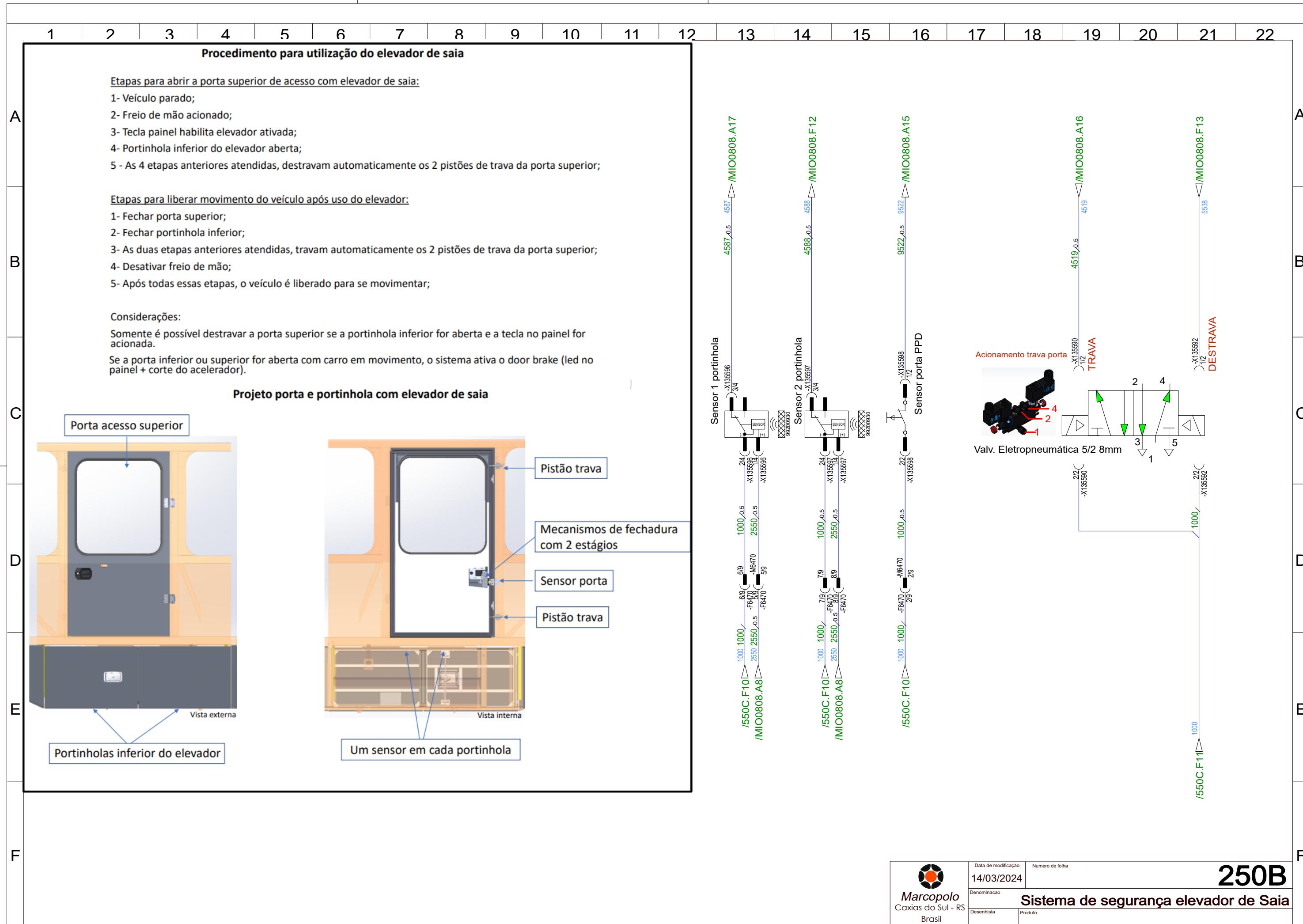
441E
LATERAL VOLVO

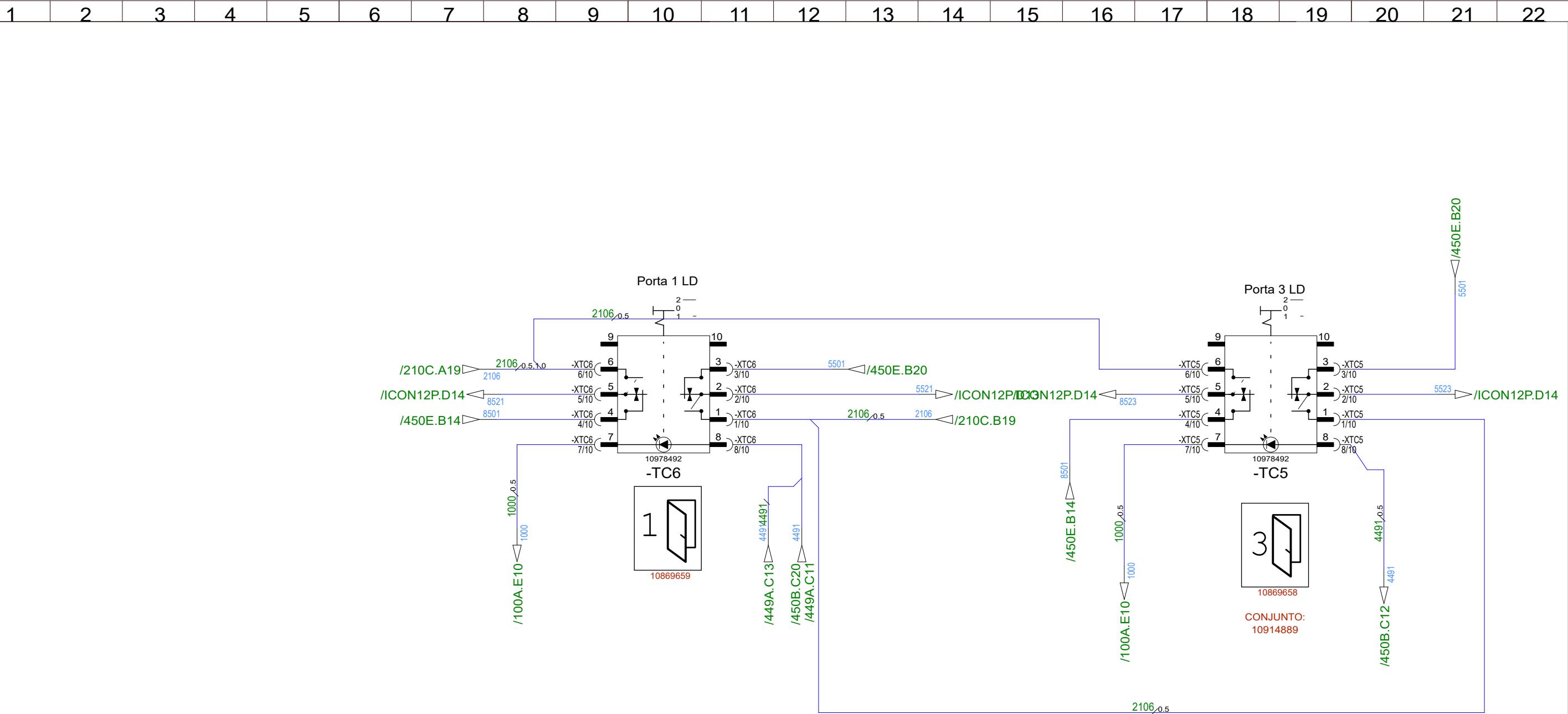


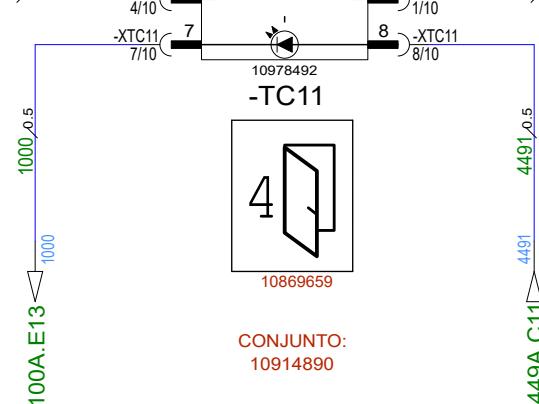
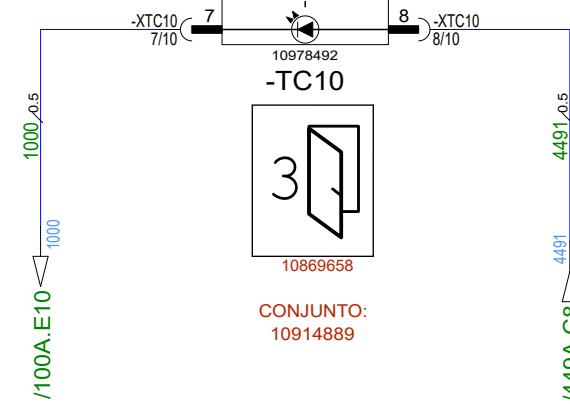
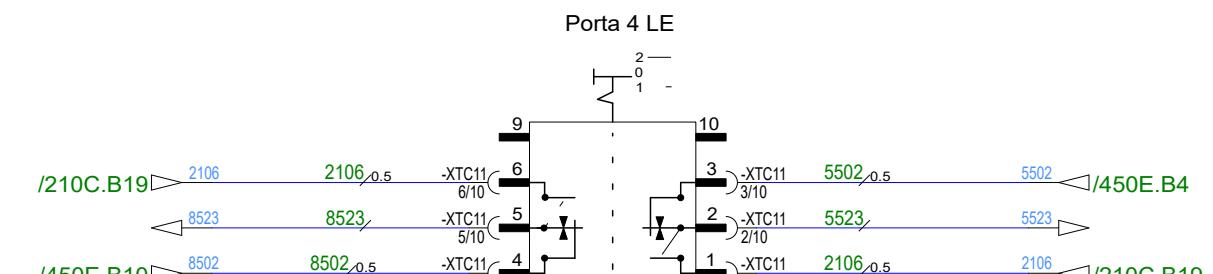
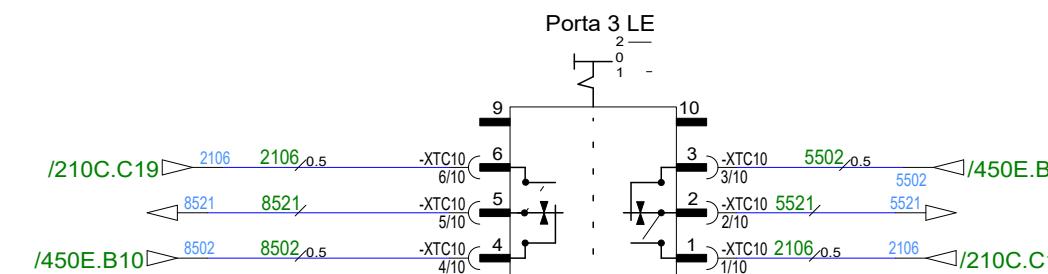
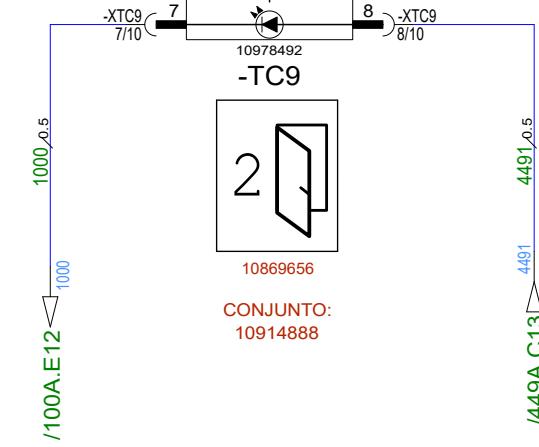
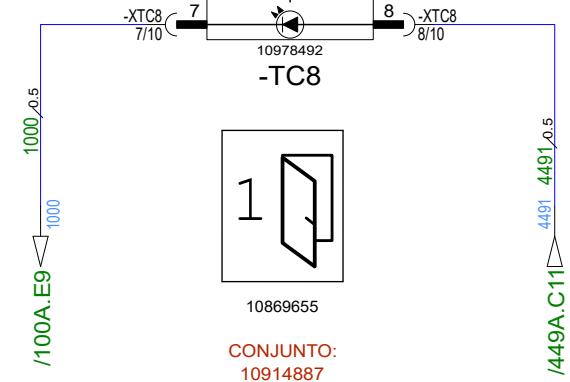
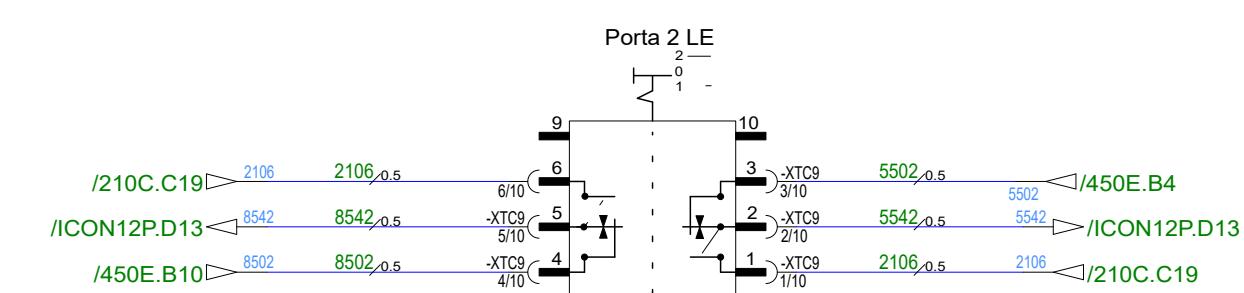
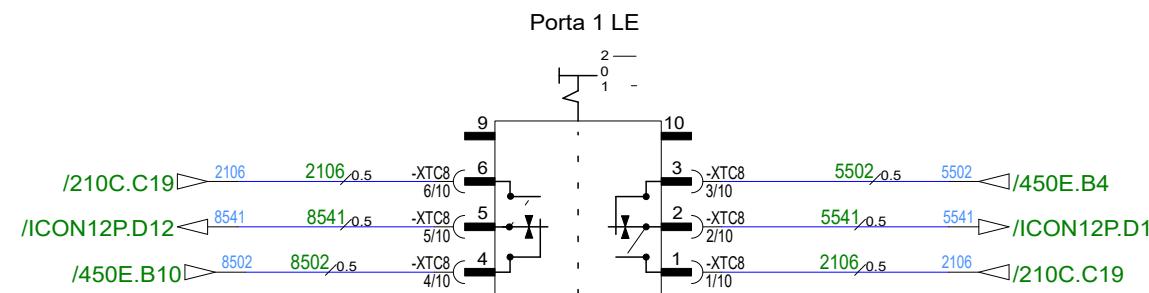


250A
Elevador

	Data de modificação 14/03/2024	Numero de folha	250A
<i>Marcopolo</i> Caxias do Sul - RS Brasil	Denominação		
Desenhista	Produto	Elevador	







1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

A

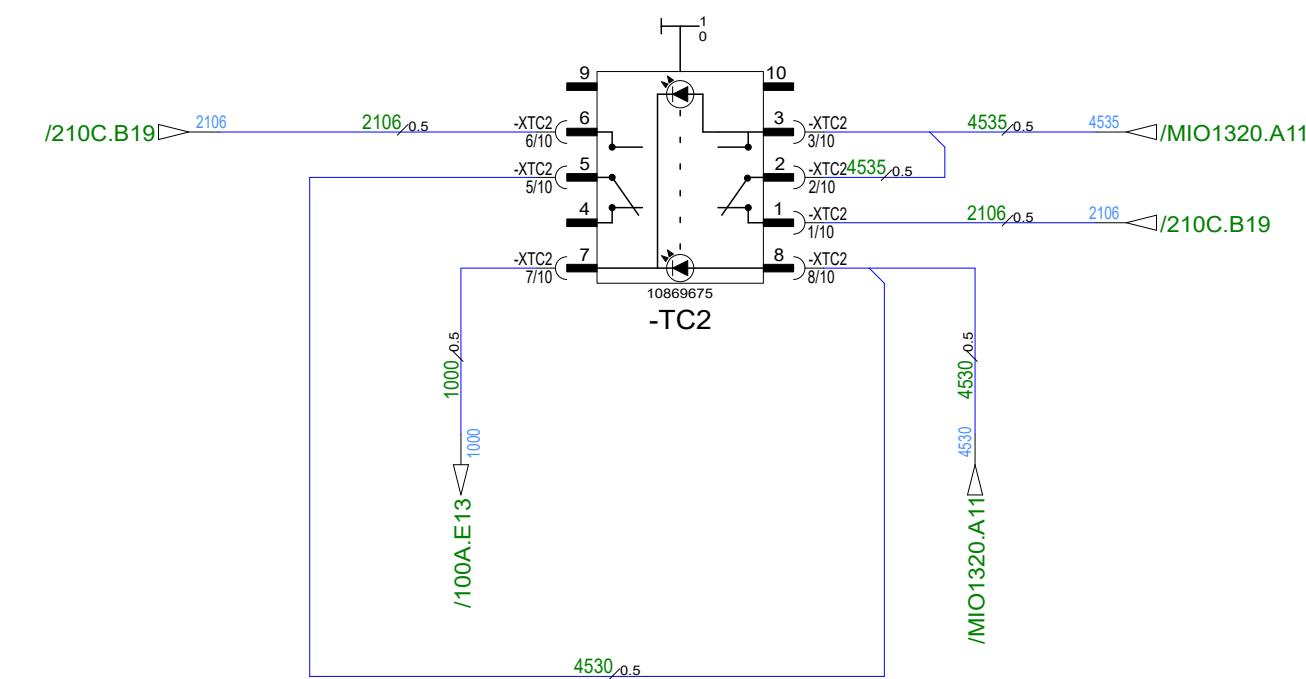
B

C

D

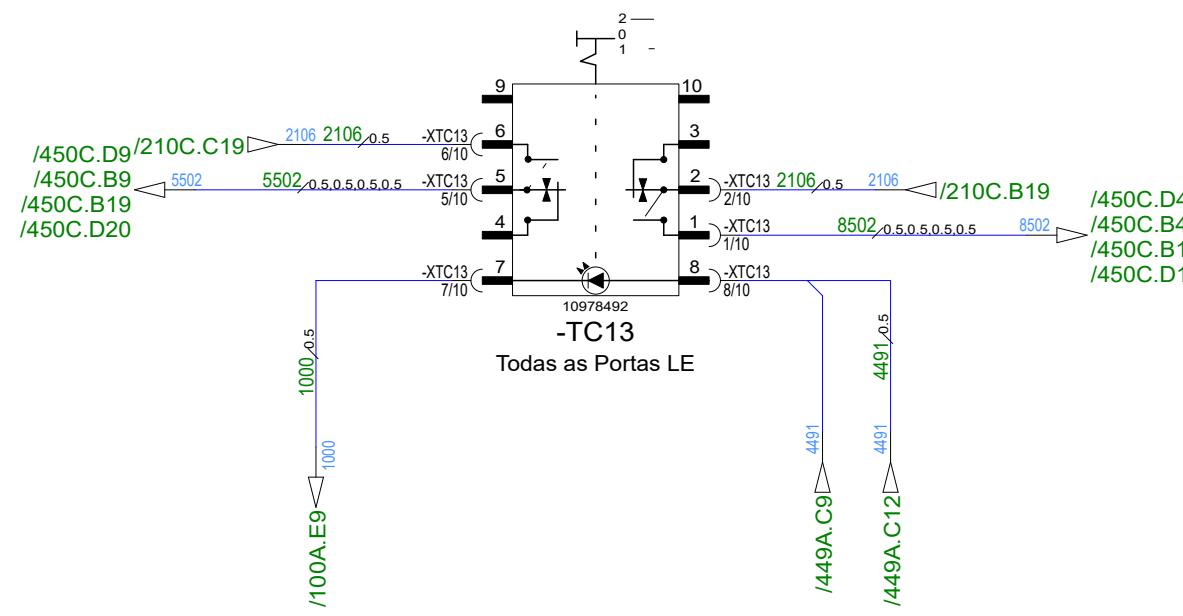
E

F

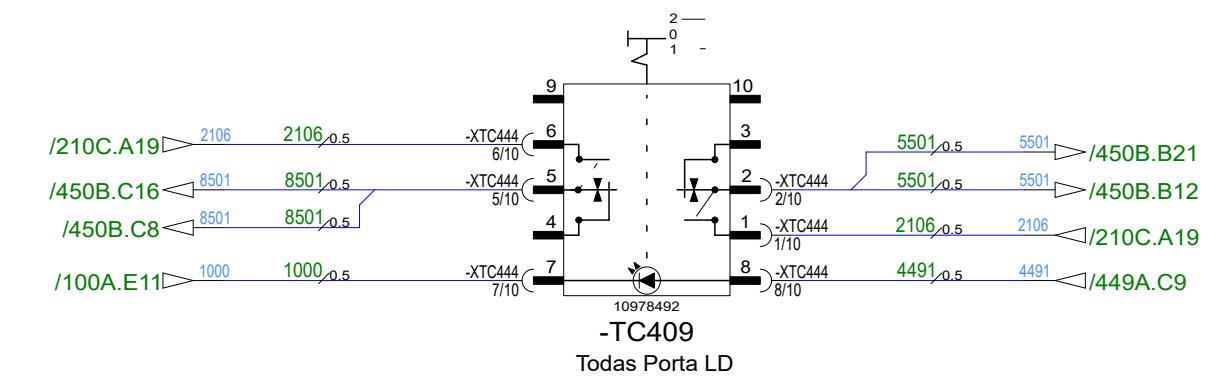


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A



B



C

D

E

F

A

B

C

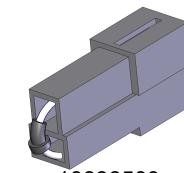
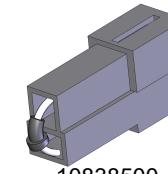
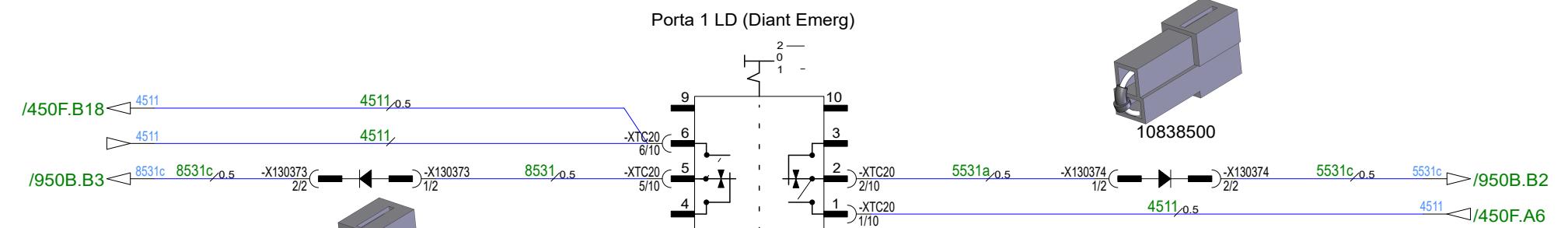
D

E

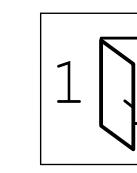
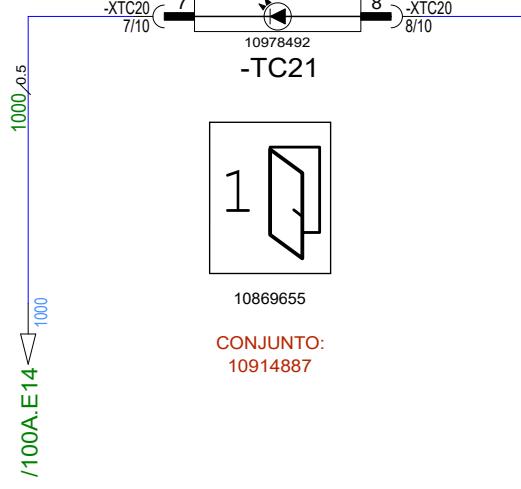
F

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

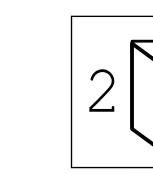
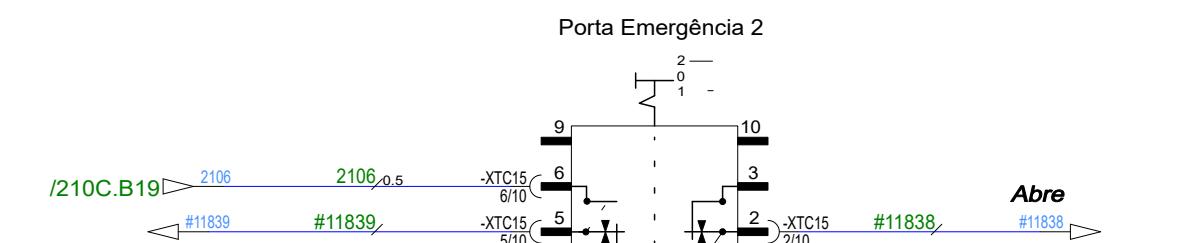


B



CONJUNTO:
10914887

C



CONJUNTO:
10914888

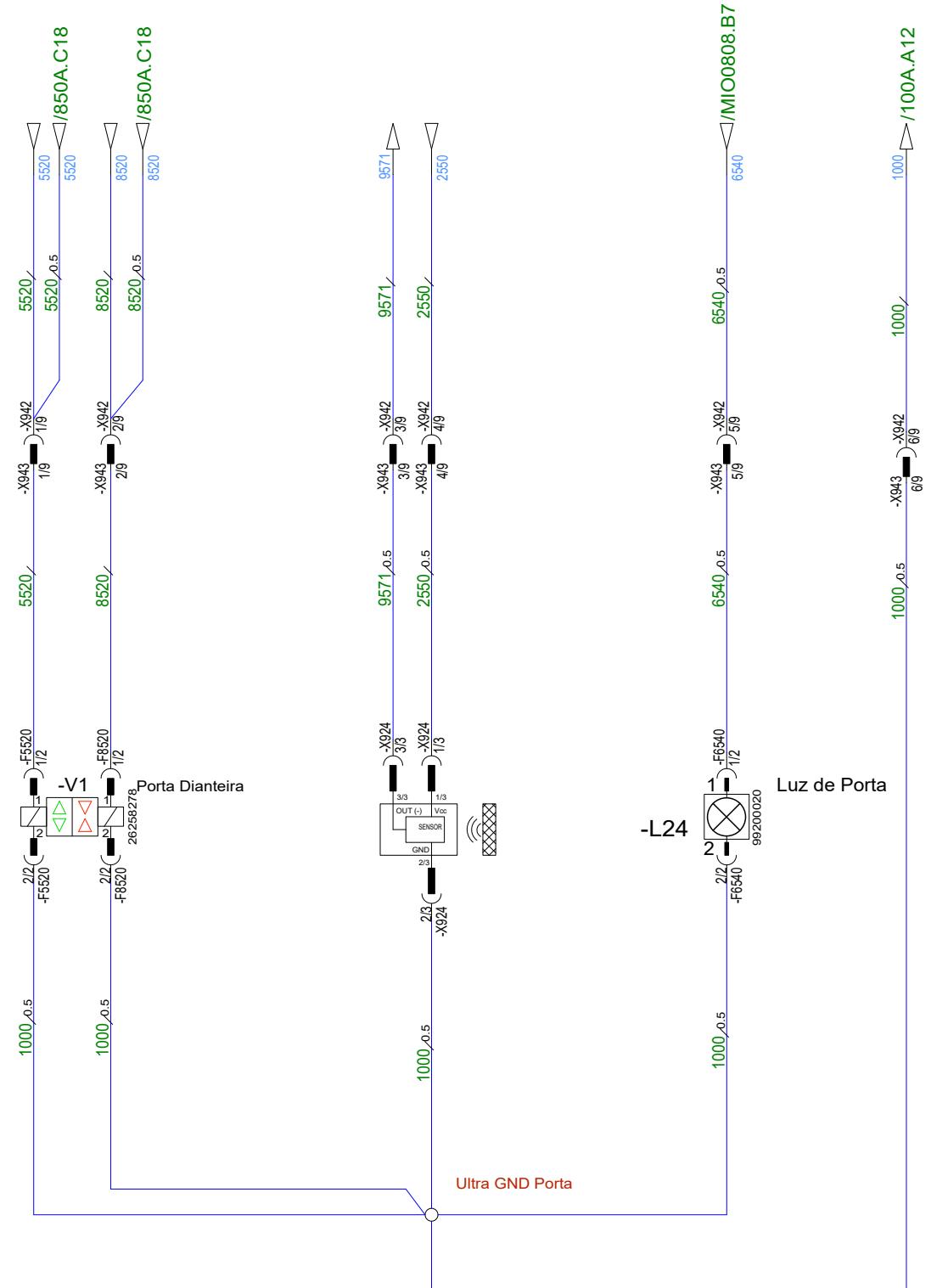
D

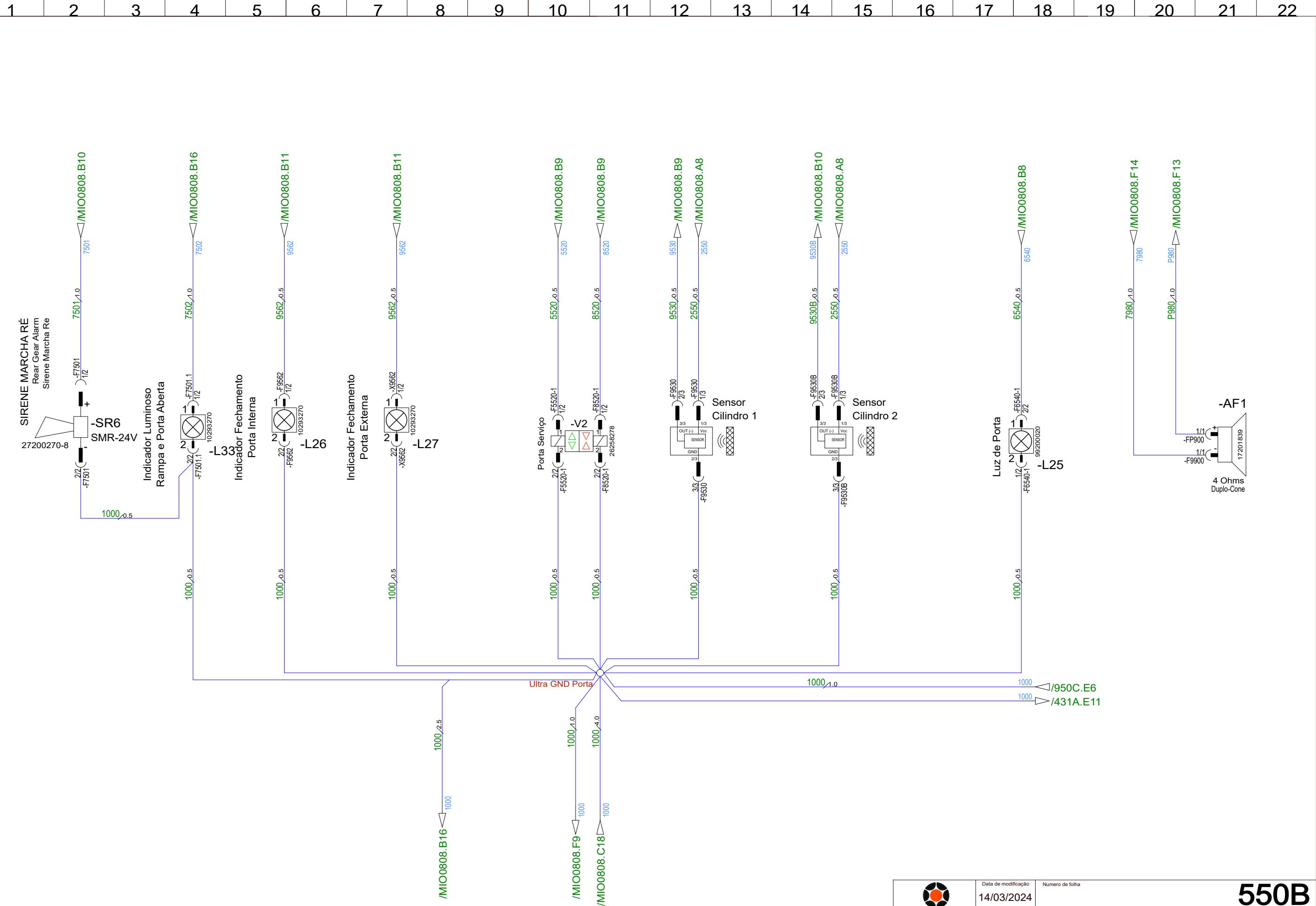
E

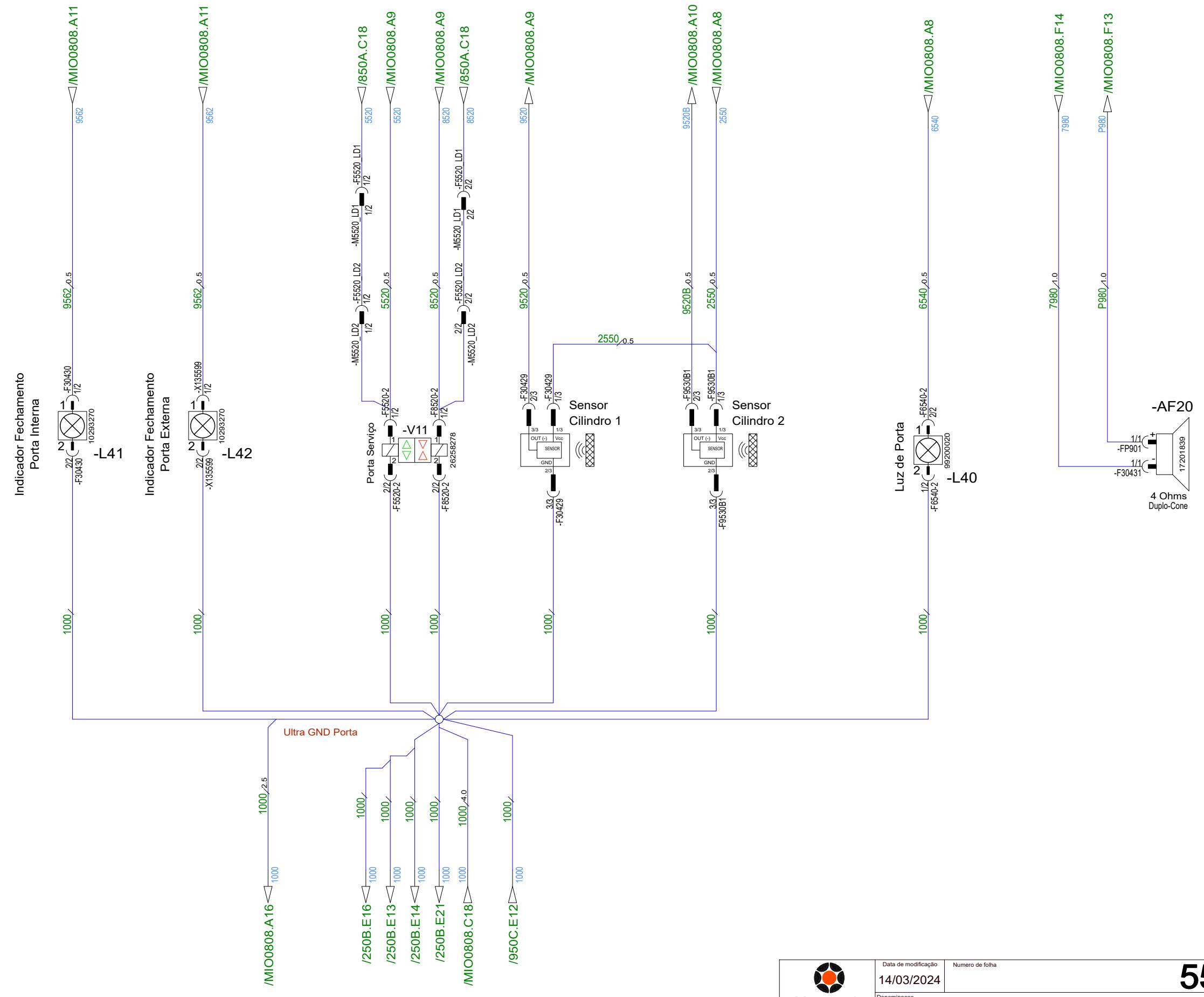
F

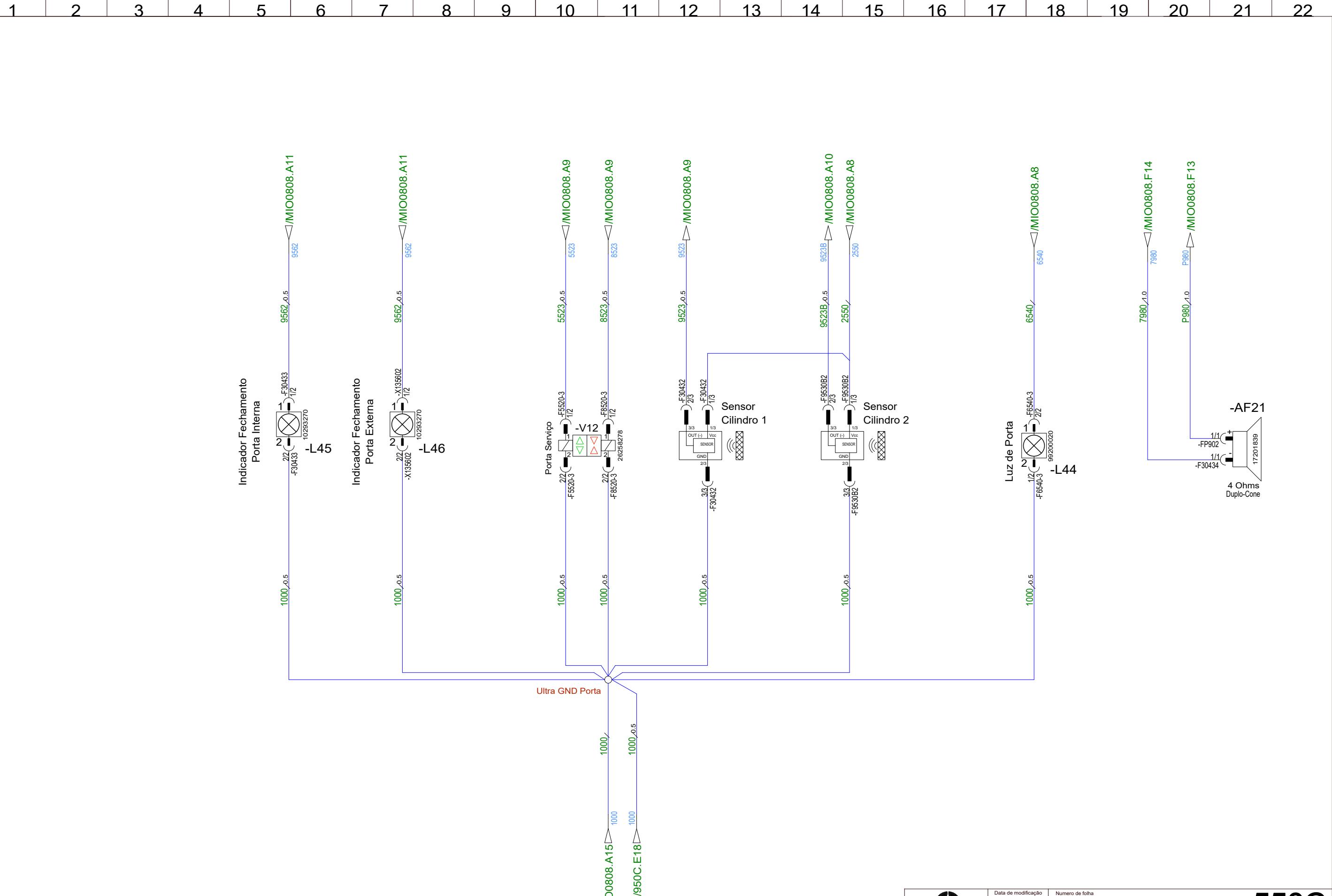
450F

Teclas Porta de Emergência









1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

RAMPAS MANUAIS

ADD IMAGEM

/MIO1320.A9 7570 21/21 -XA1
/100A.E3 1000 1000 1000 1000
/MIO0717.B10 2550 2550 2550 2550

23

33

13

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

A

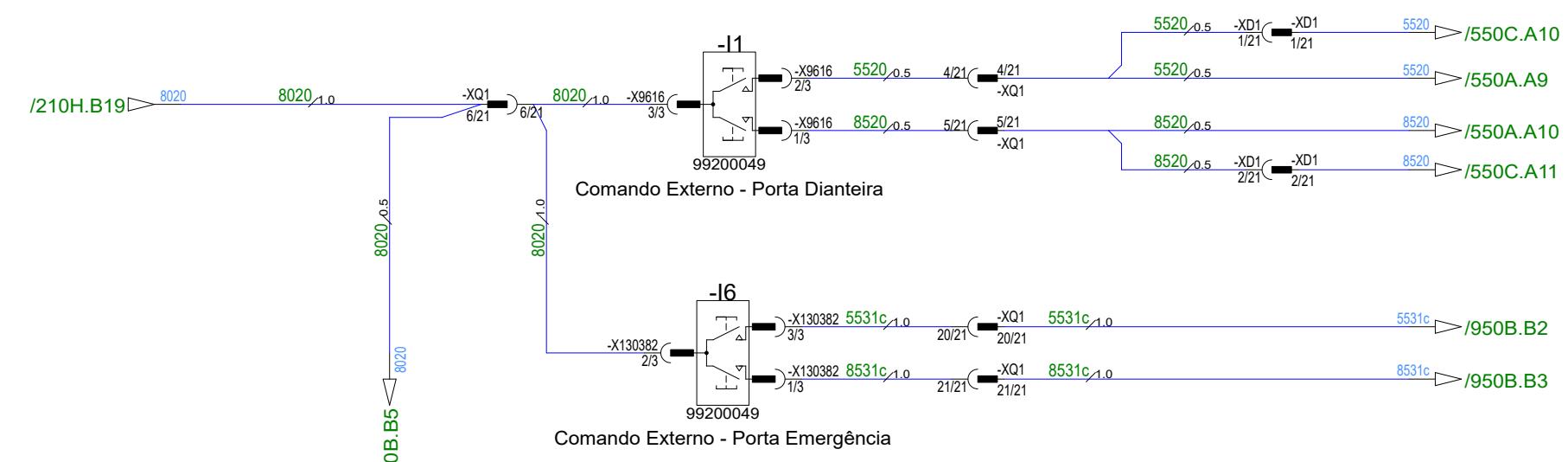
B

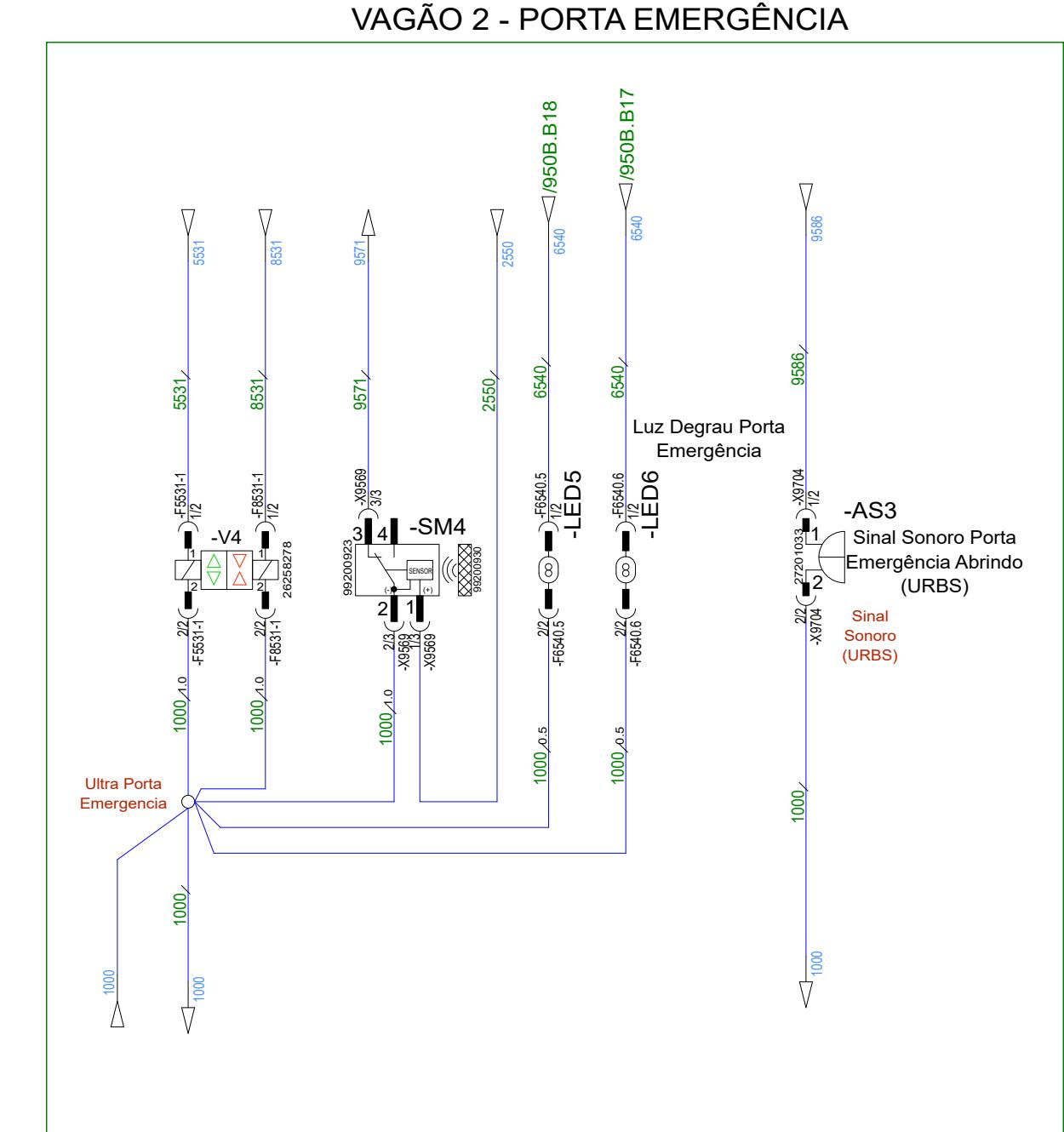
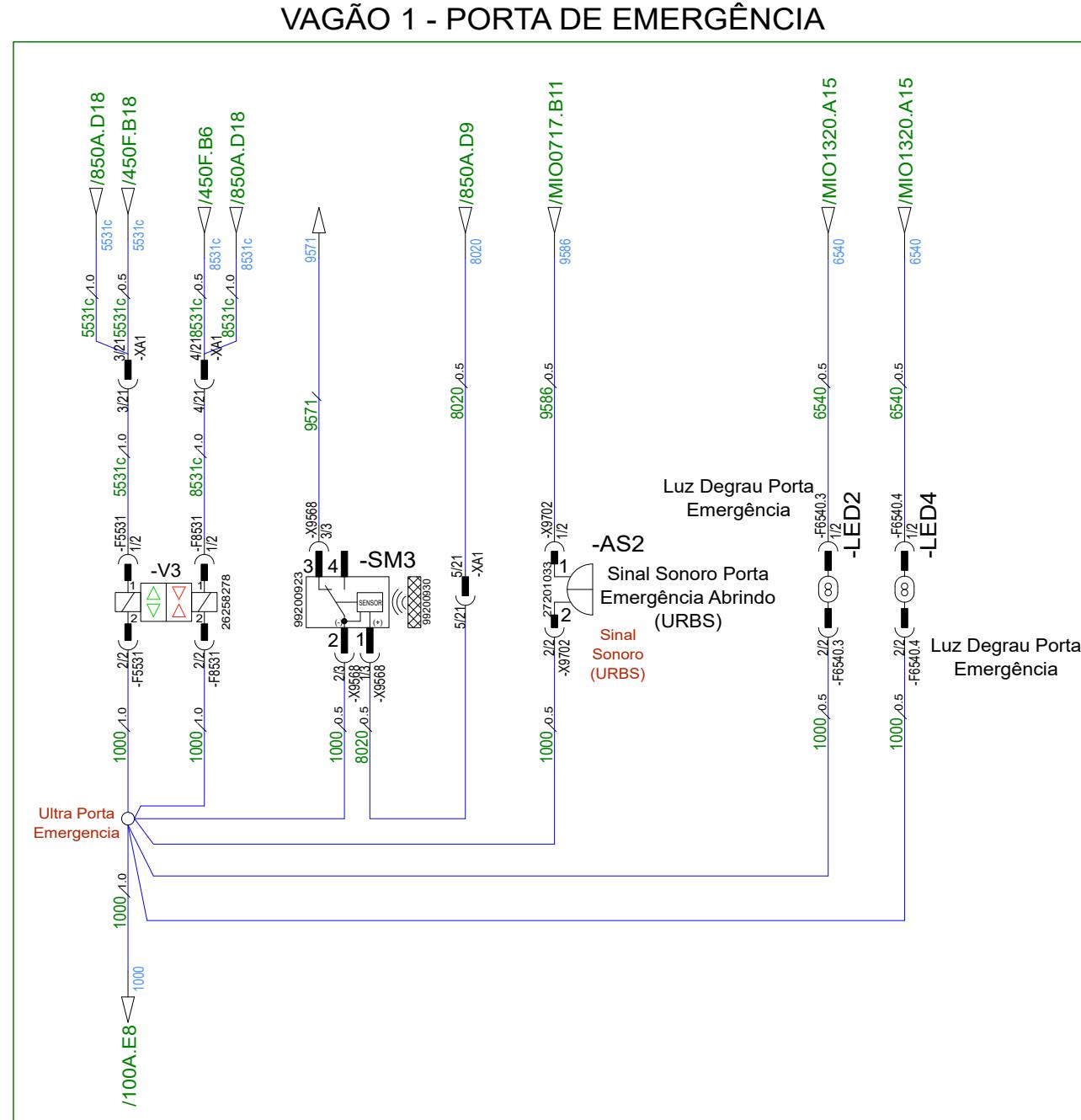
C

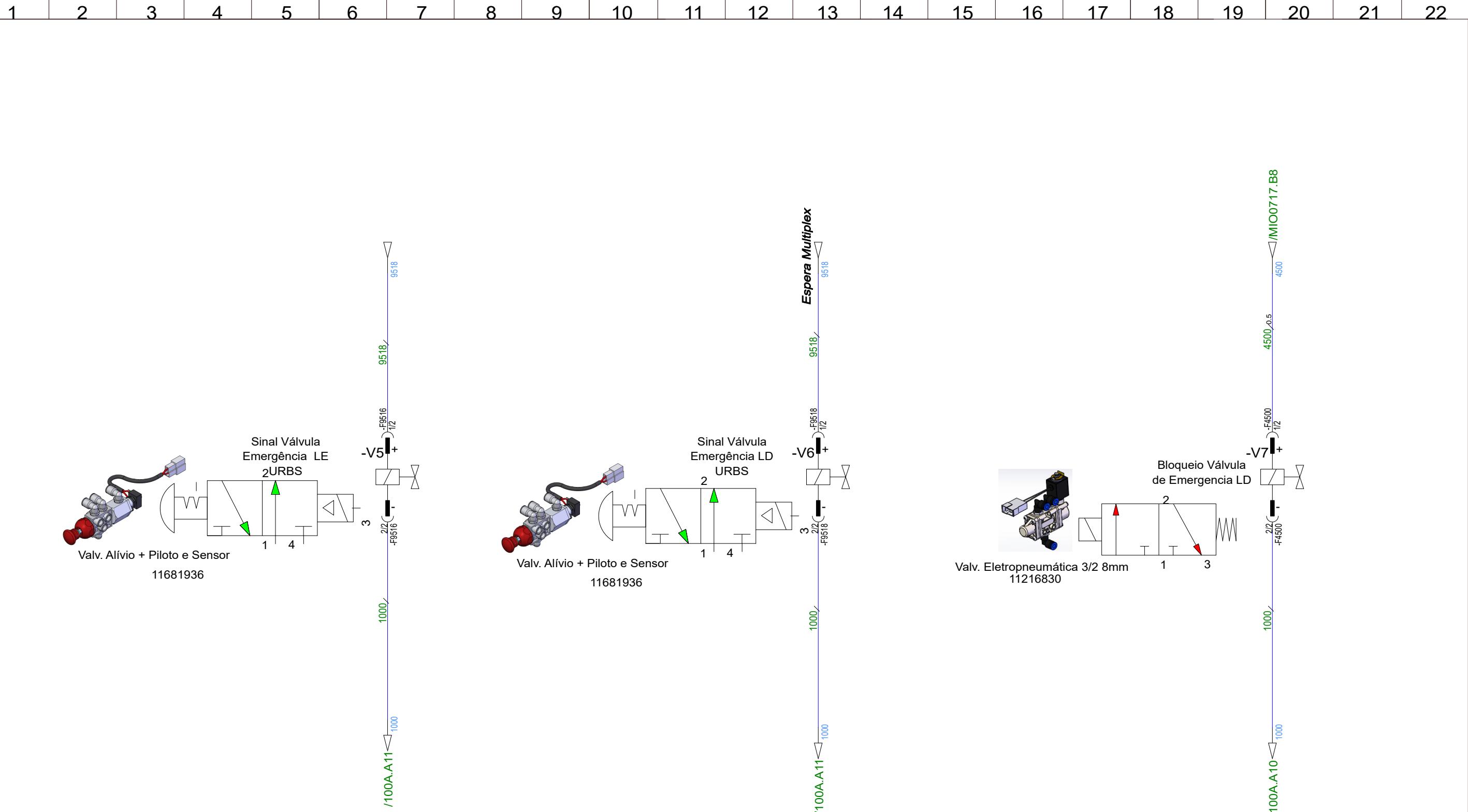
D

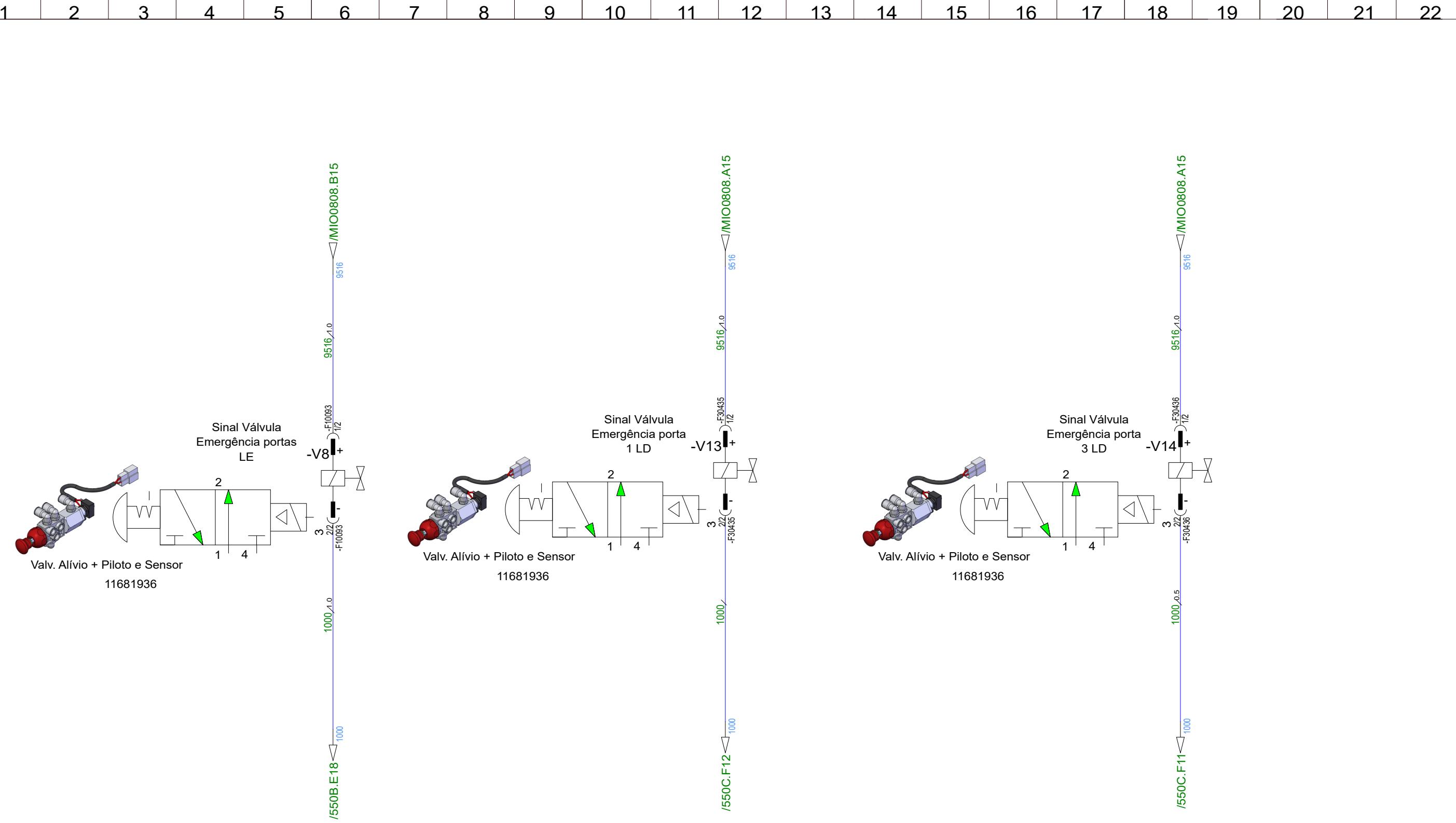
E

F









1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

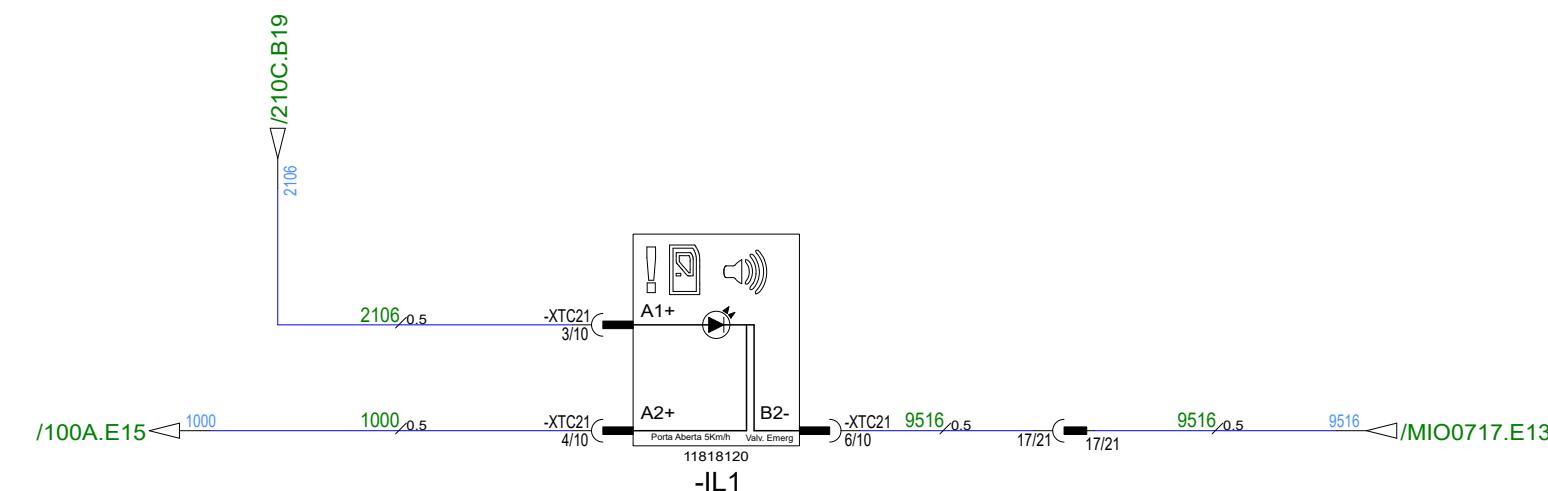
C

D

E

F

951A



	Data de modificação 10/02/2024	Número de folha
Denominação Monitoramento Válvulas de Emergência URBS	Desenhista	Produto
Marcopolo Caxias do Sul - RS Brasil		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

A

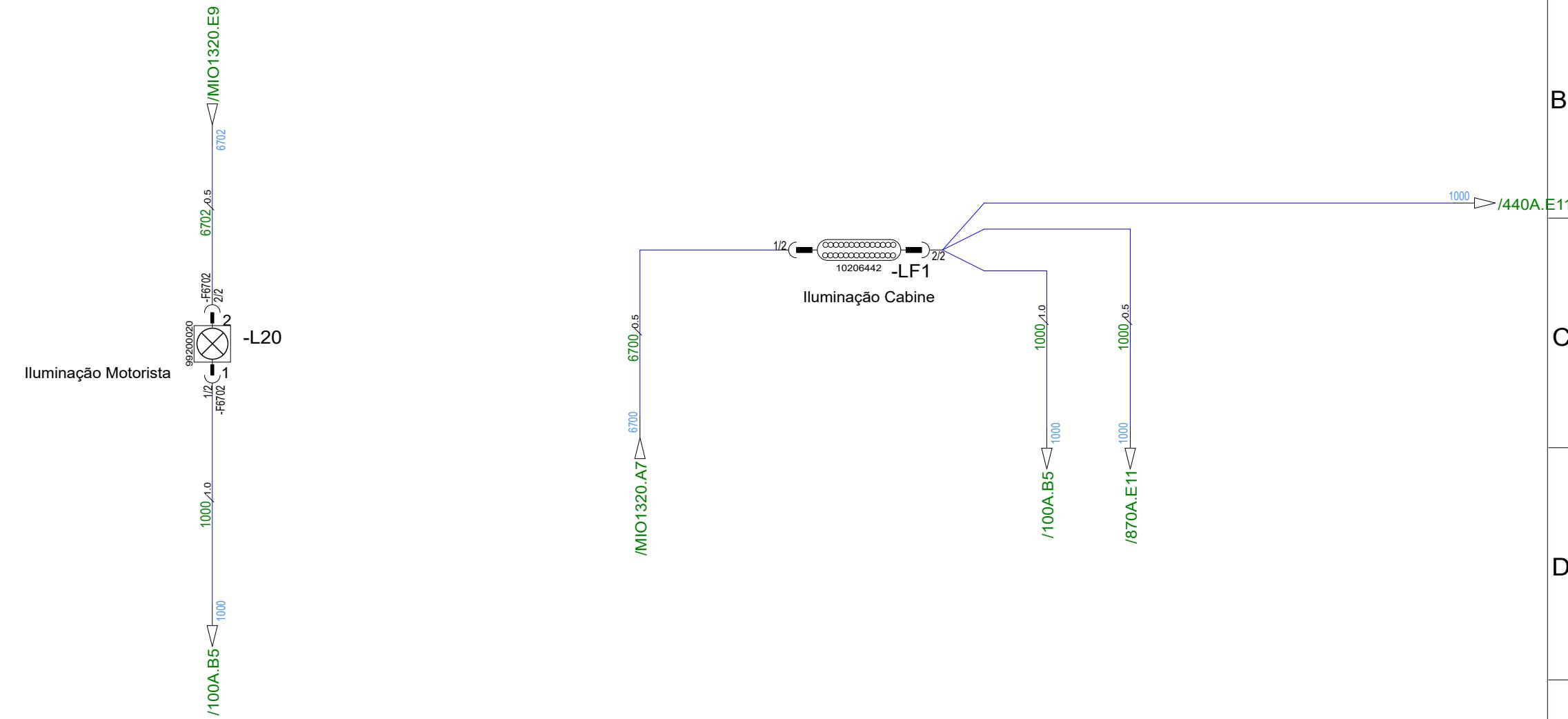
B

C

D

E

F



	Data de modificação 06/02/2024	Número de folha
Denominação		
Desenhista	Produto	

670A

Iluminação Cabine

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

A

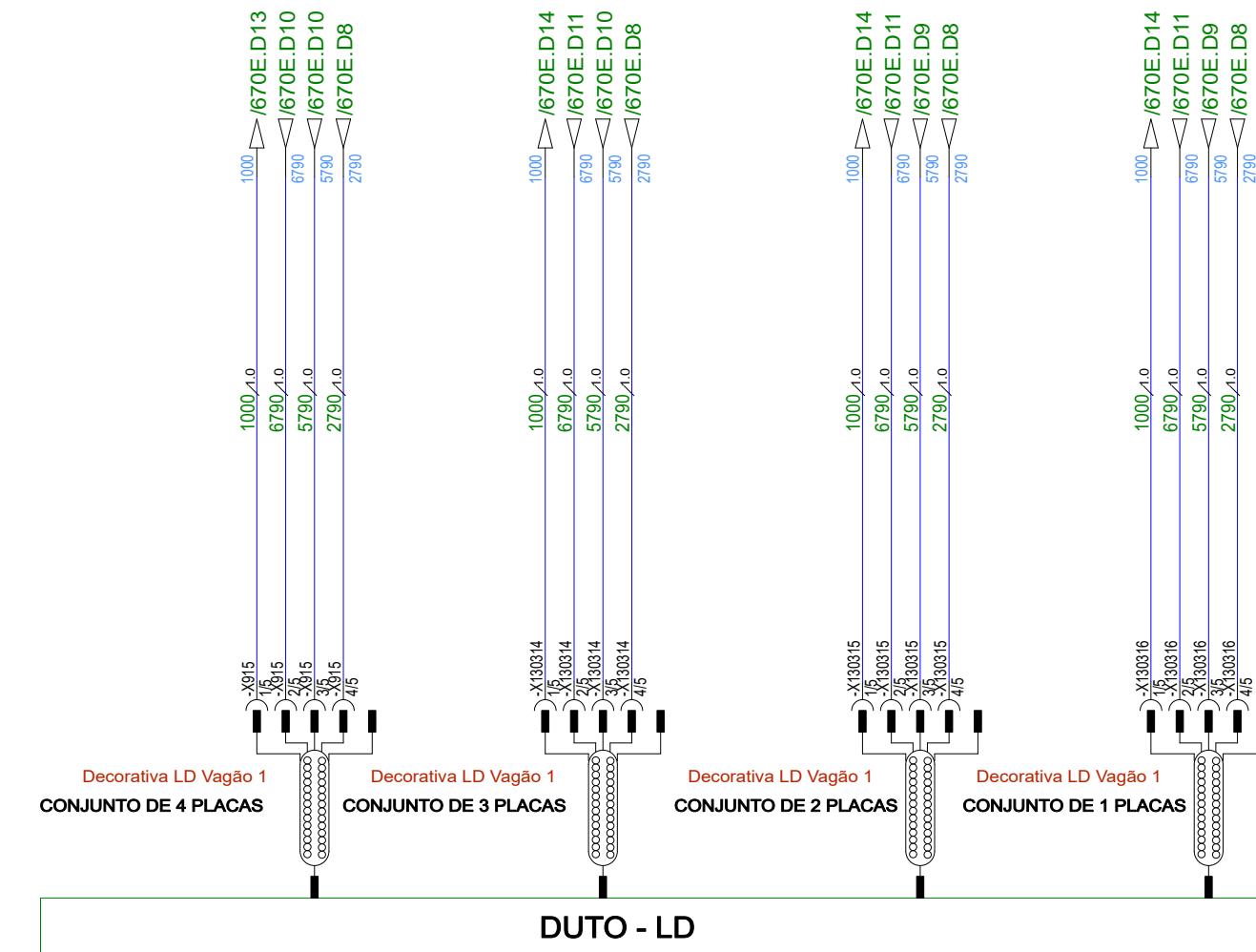
B

C

D

E

F



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

A

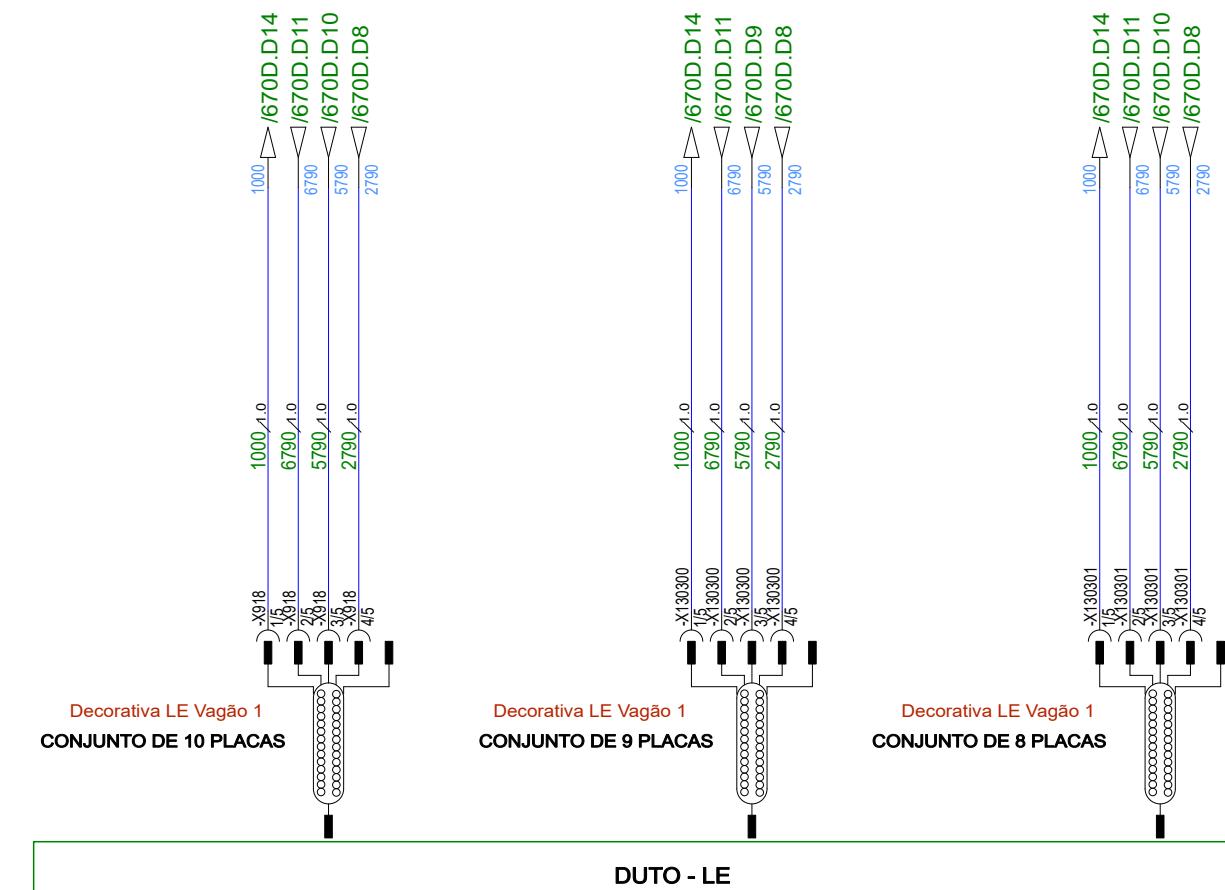
B

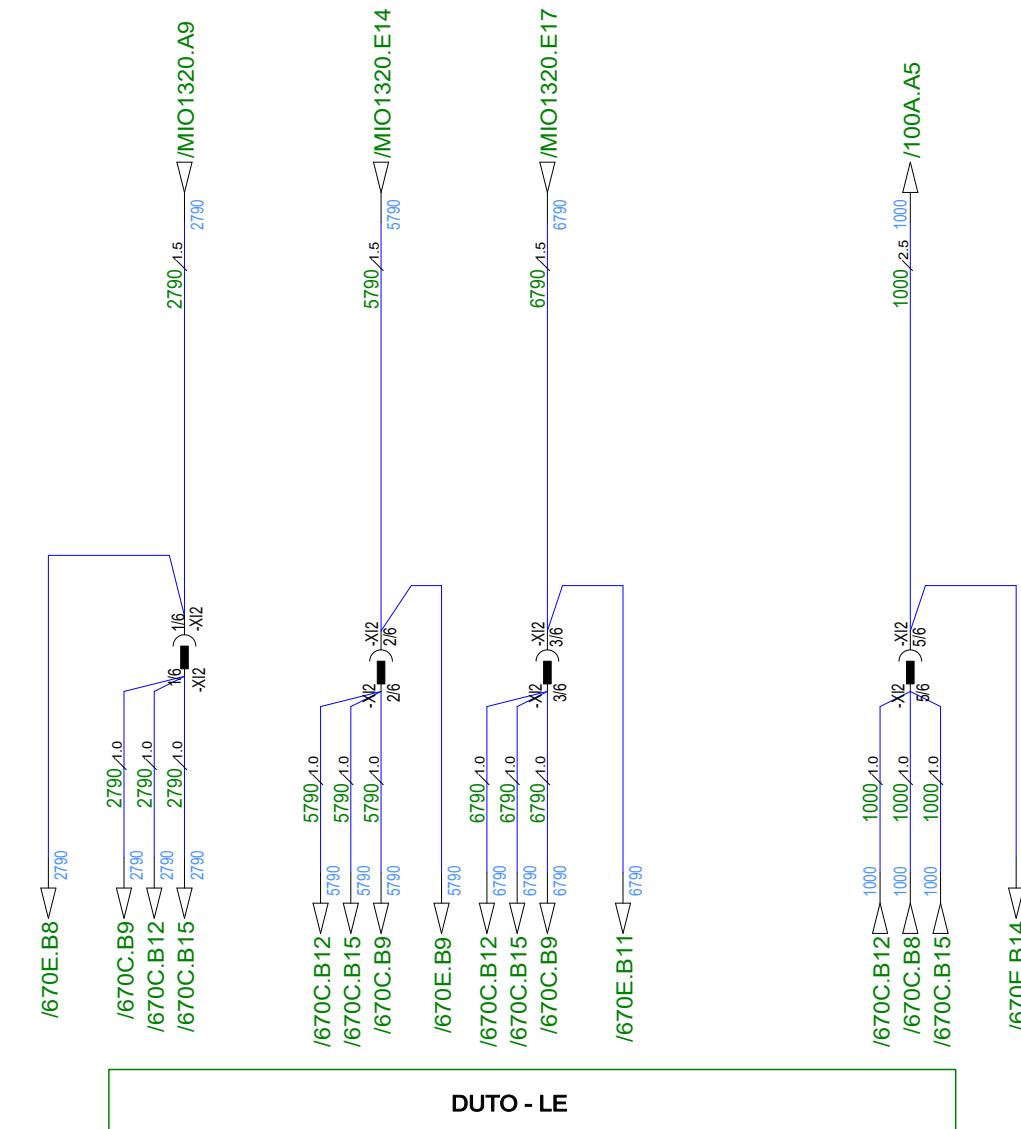
C

D

E

F





DUTO - L

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Busca Multiplex

A

B

C

D

E

F

A

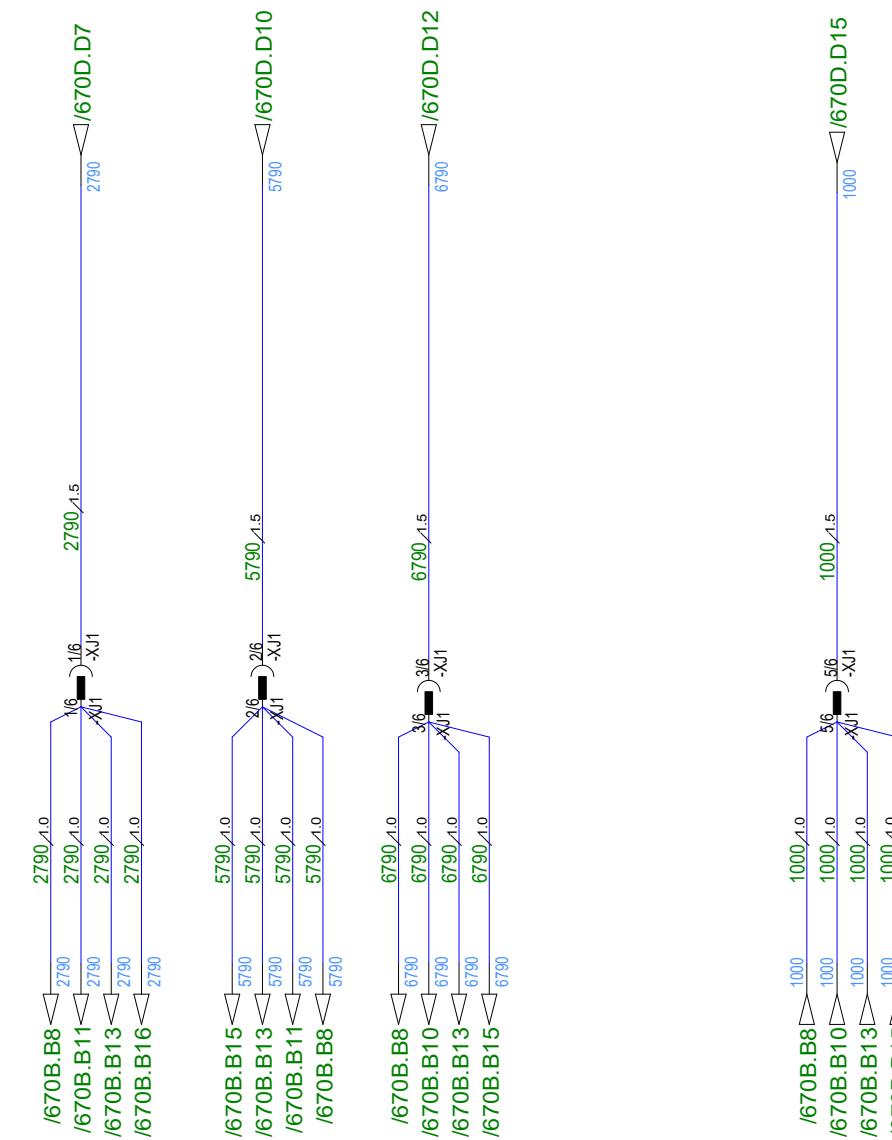
B

C

D

E

F



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

670F

Tecla Luz Decorativa

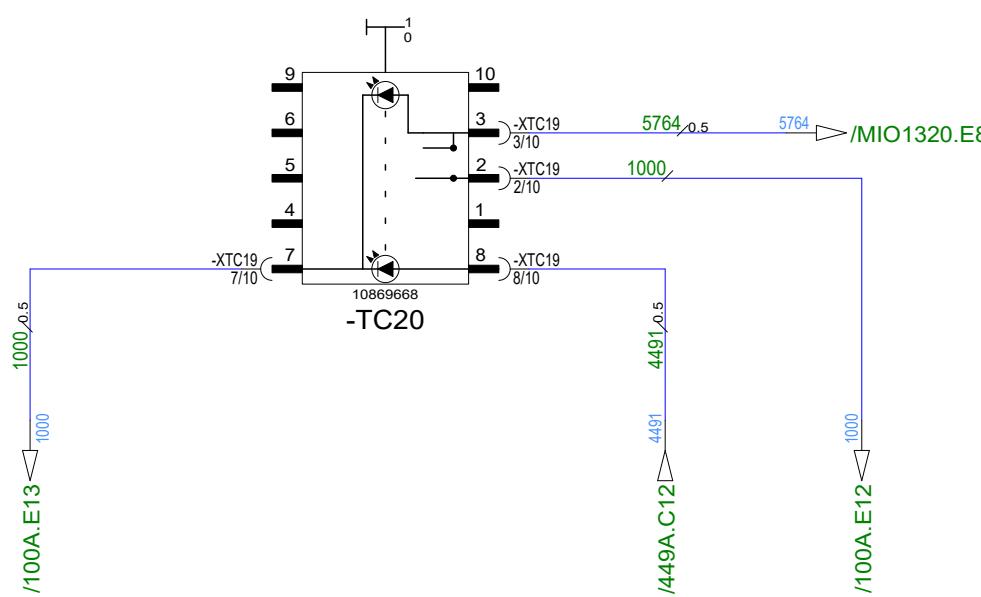


Data de modificação
06/03/2024
Número de folha

Denominação

Desenhista

Produto



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

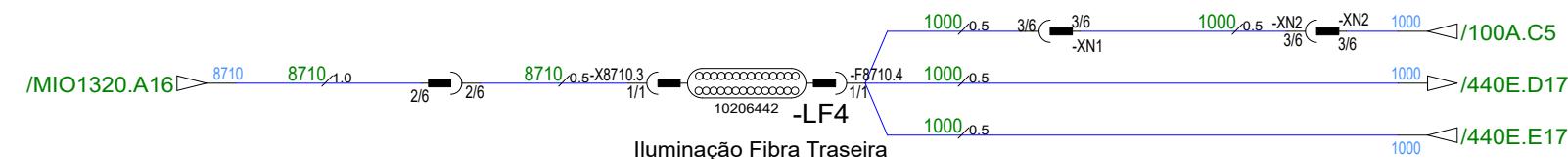
C

D

E

F

670G



Illuminação Fibra Traseira

	Data de modificação 12/03/2024	Número de folha
Denominação		
Desenhista	Produto	

670G

Illuminação Fibra Traseira

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

A

B

B

C

C

D

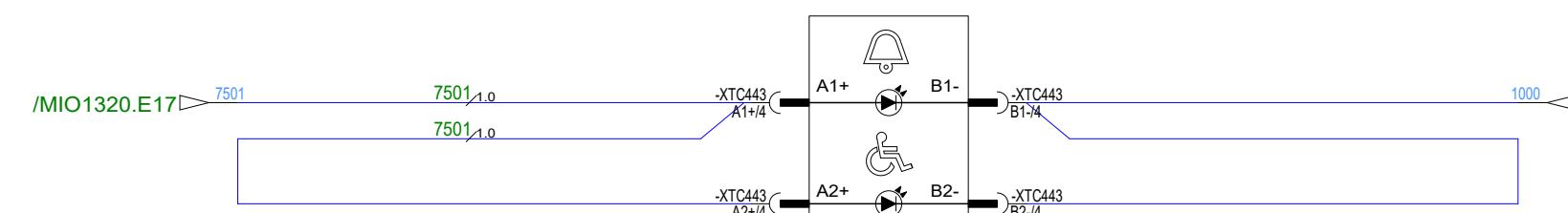
D

E

E

F

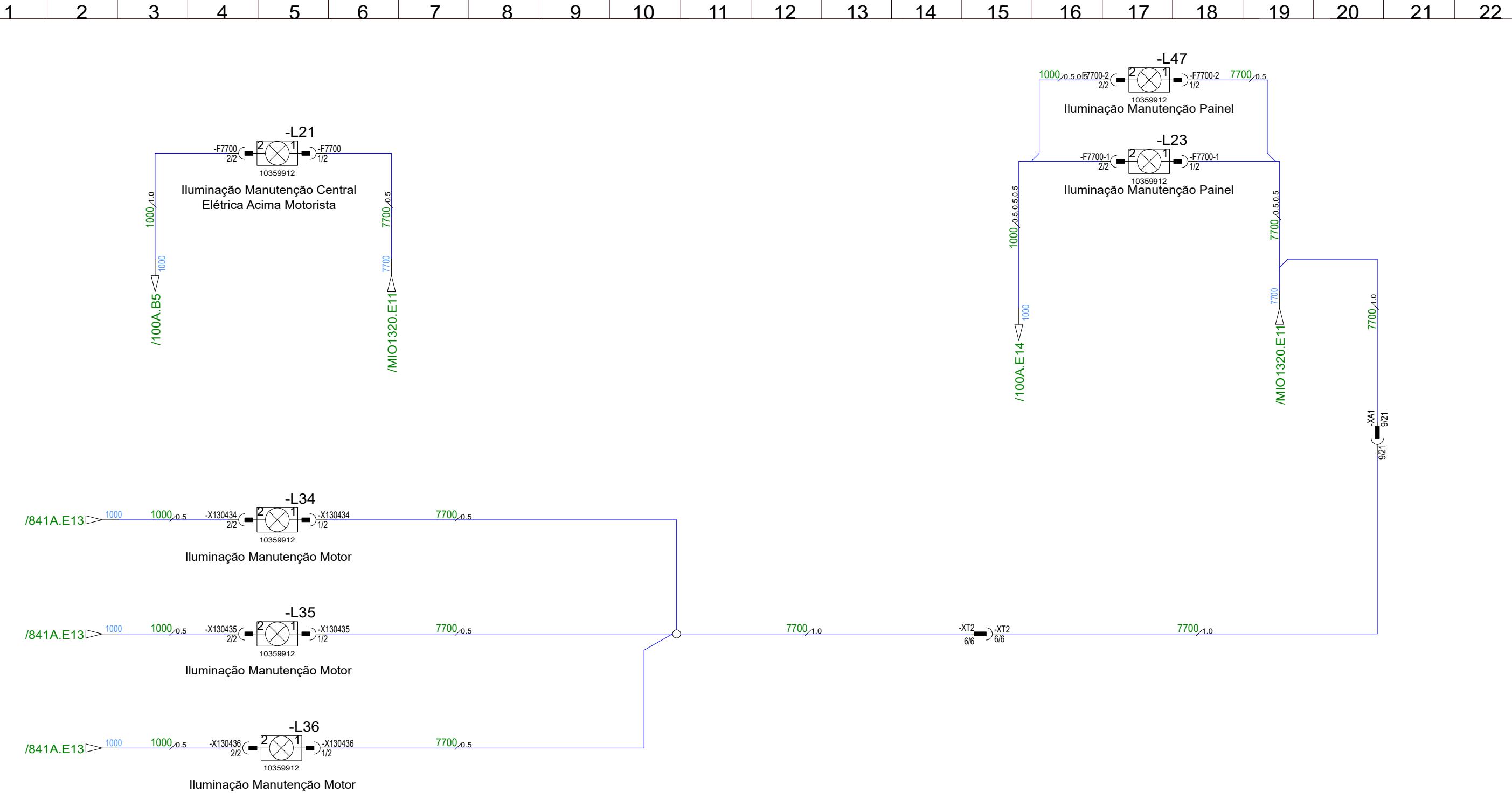
F

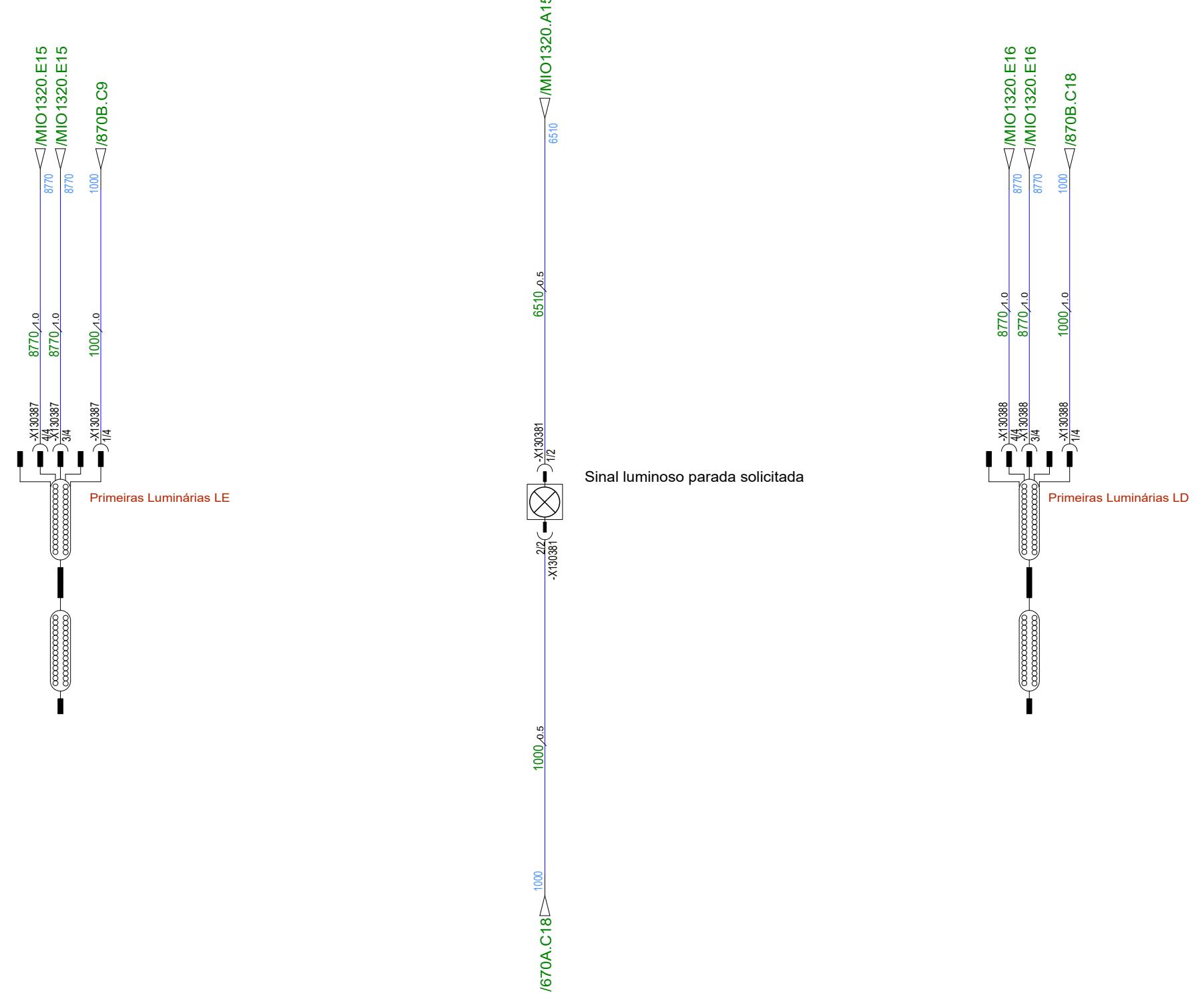


 Marcopolo Caxias do Sul - RS Brasil	Data de modificação 04/03/2024	Número de folha
Denominação		
Desenhista	Produto	

750A

Indicador Rampa

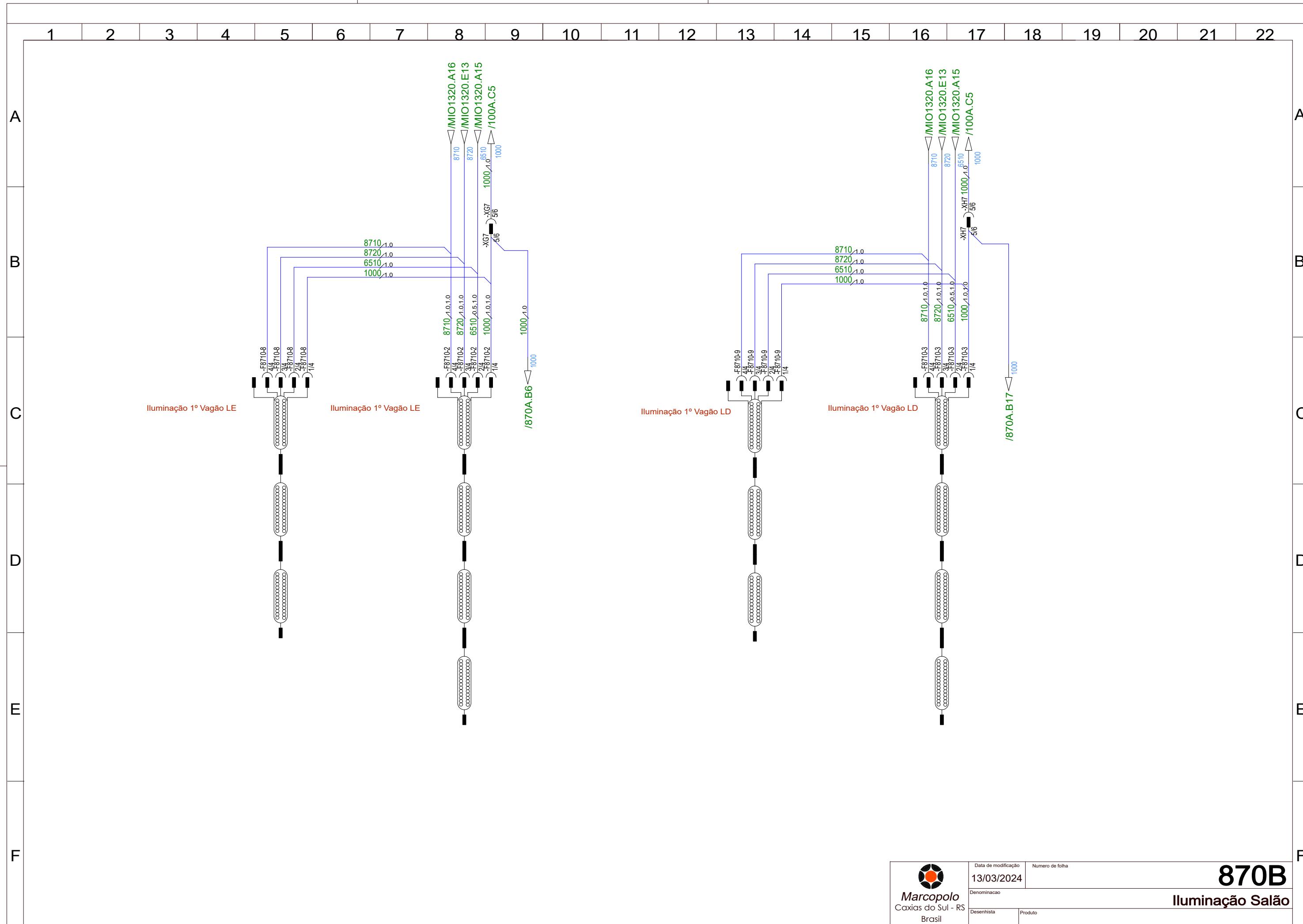


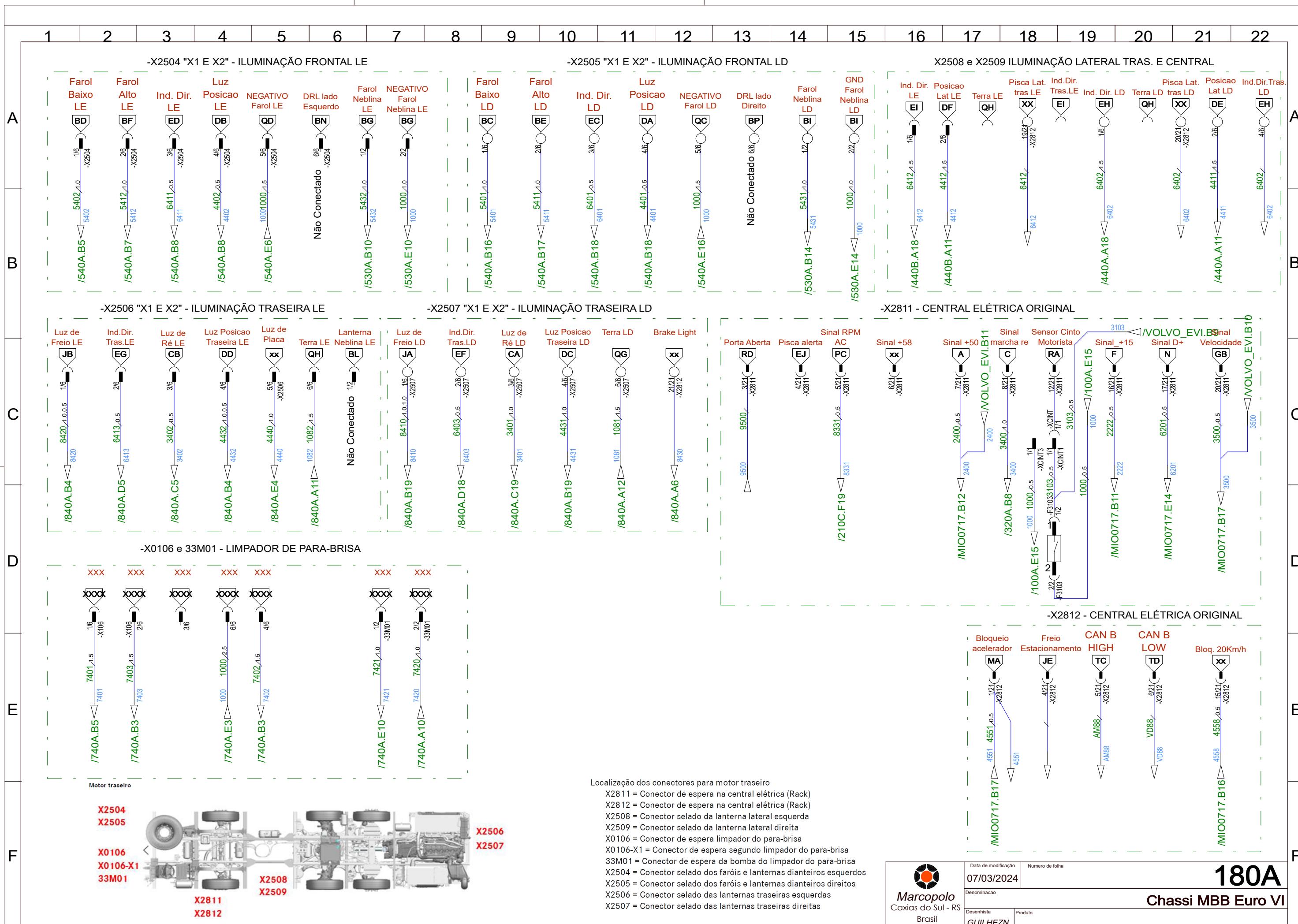


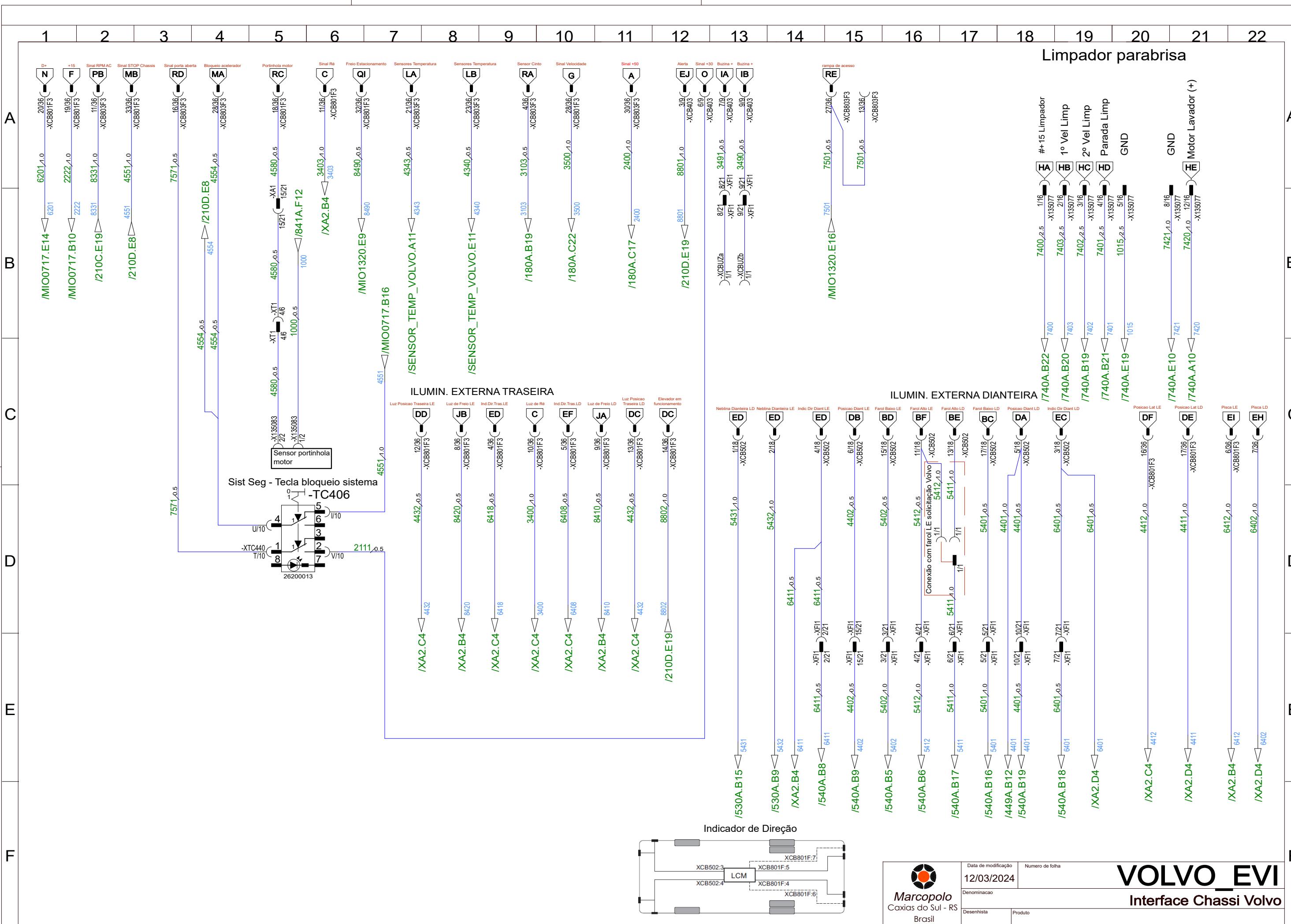
Sinal luminoso parada solicitada

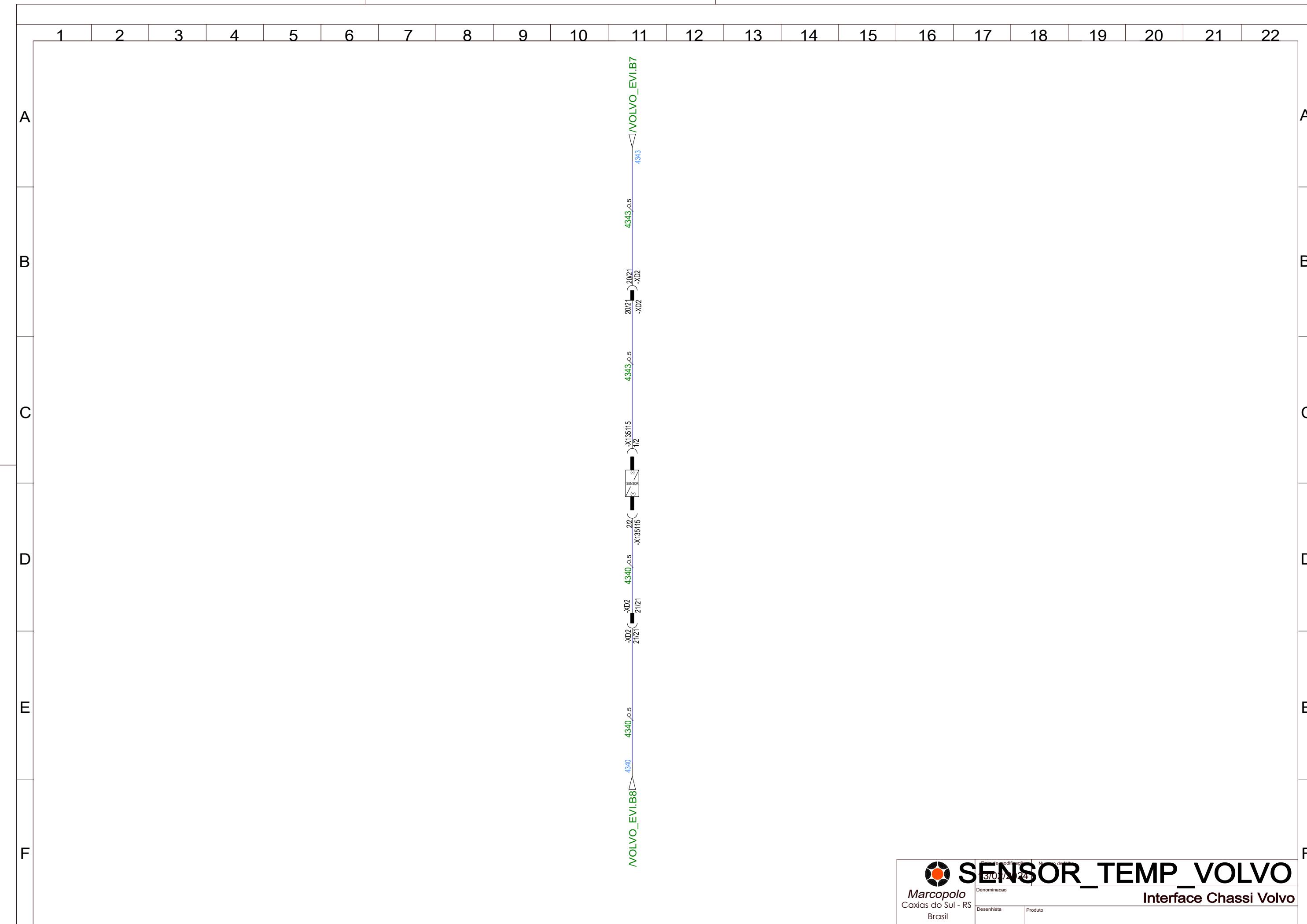


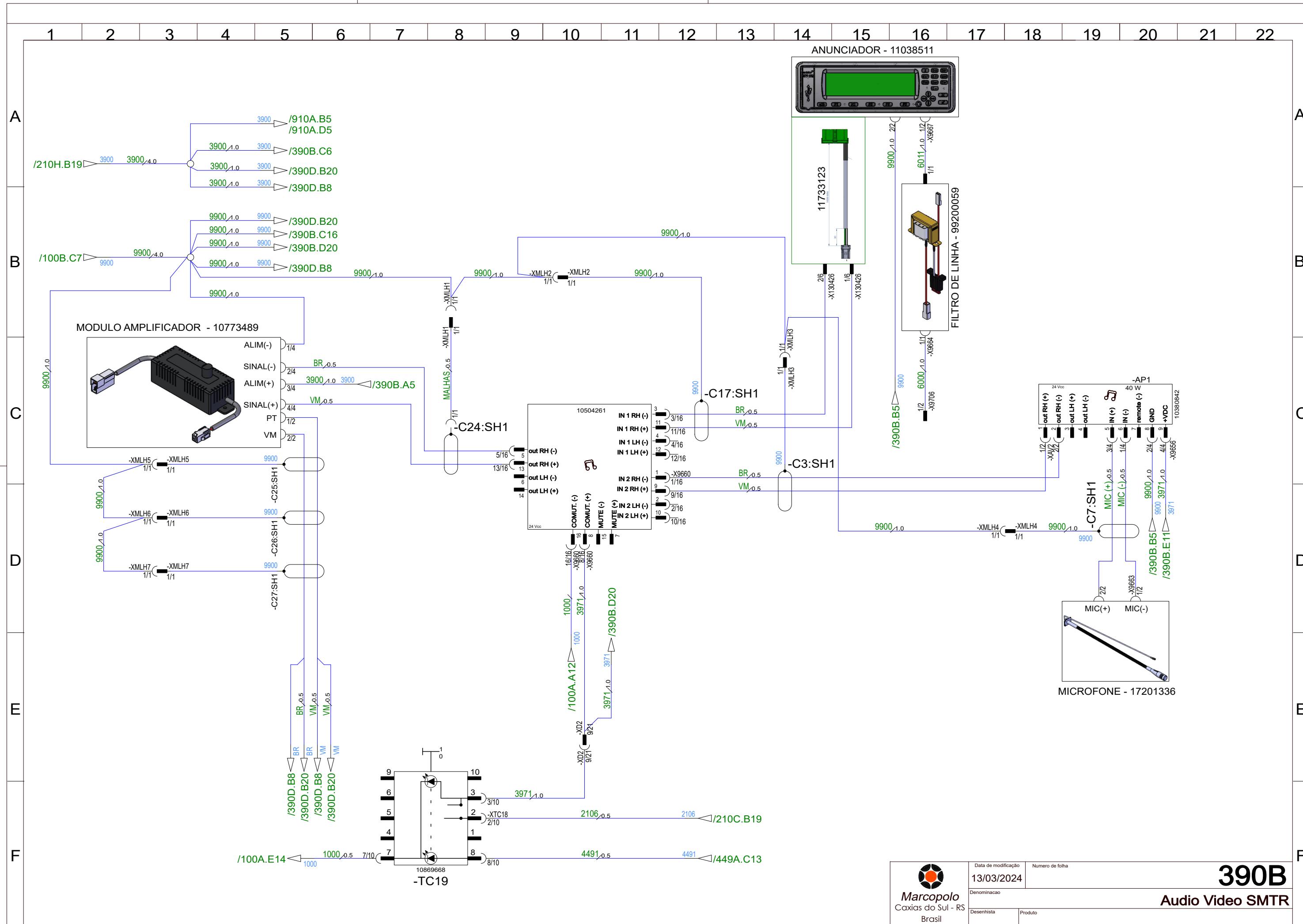
 Marcopolo Caxias do Sul - RS Brasil	Data de modificação	Número de folha
	06/02/2024	870A
Denominação	Primeiras Luminárias	
Desenhista	Produto	











1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

A

B

B

C

C

D

D

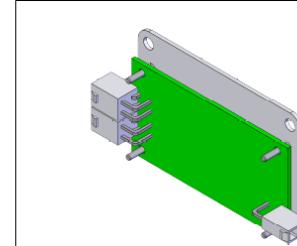
E

E

F

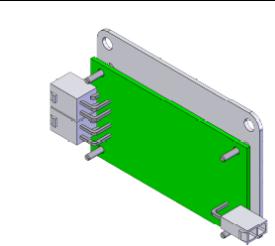
F

MODULO AMPLIFICADOR - 11961843 - V1 LE



ALIM(-) 1/4 9900 1.0 9900 ◀/390B.B5
SINAL(-) 2/4 BR 0.5 BR ◀/390B.E5
ALIM(+) 3/4 3900 1.0 3900 ◀/390B.A5
SINAL(+) 4/4 VM 0.5 VM ◀/390B.E6
PT 1/2 7920 1.0 7920 ▶/990A.B5
VM 2/2 P922 1.0 P922 ▶/990A.B2

MODULO AMPLIFICADOR - 11961843 - V1 LD



ALIM(-) 1/4 9900 1.0 9900 ◀/390B.B5
SINAL(-) 2/4 BR 0.5 BR ◀/390B.E5
ALIM(+) 3/4 3900 1.0 3900 ◀/390B.A5
SINAL(+) 4/4 VM 0.5 VM ◀/390B.E6
PT 1/2 P930 1.0 P930 ▶/990A.B8
VM 2/2 7930 1.0 7930 ▶/990A.B6

m² a 0,9mm²)
m² a 2,5mm²)
m² a 6,0mm²)

0430

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Salão

A

B

C

D

E

F

A

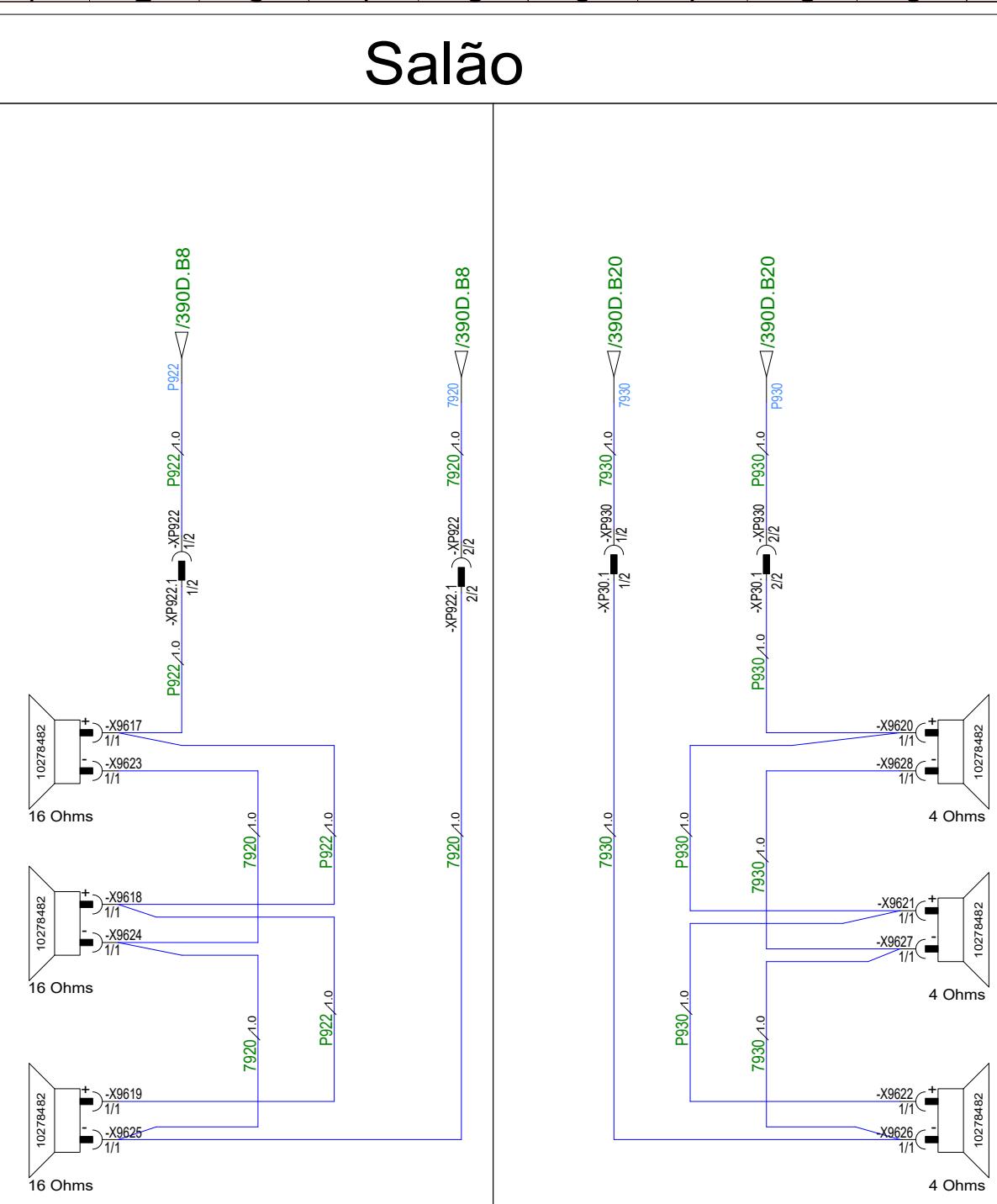
B

C

D

E

F



	Data de modificação 05/02/2024	Número de folha
Denominação		
Desenhista	Produto	

990A
Alto Falante

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

B

C

D

E

F

A

B

C

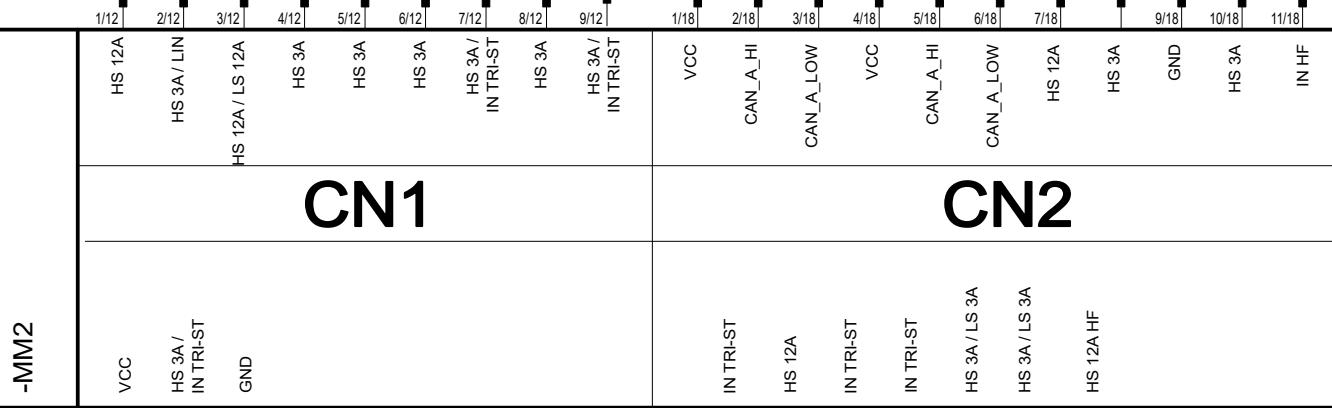
D

E

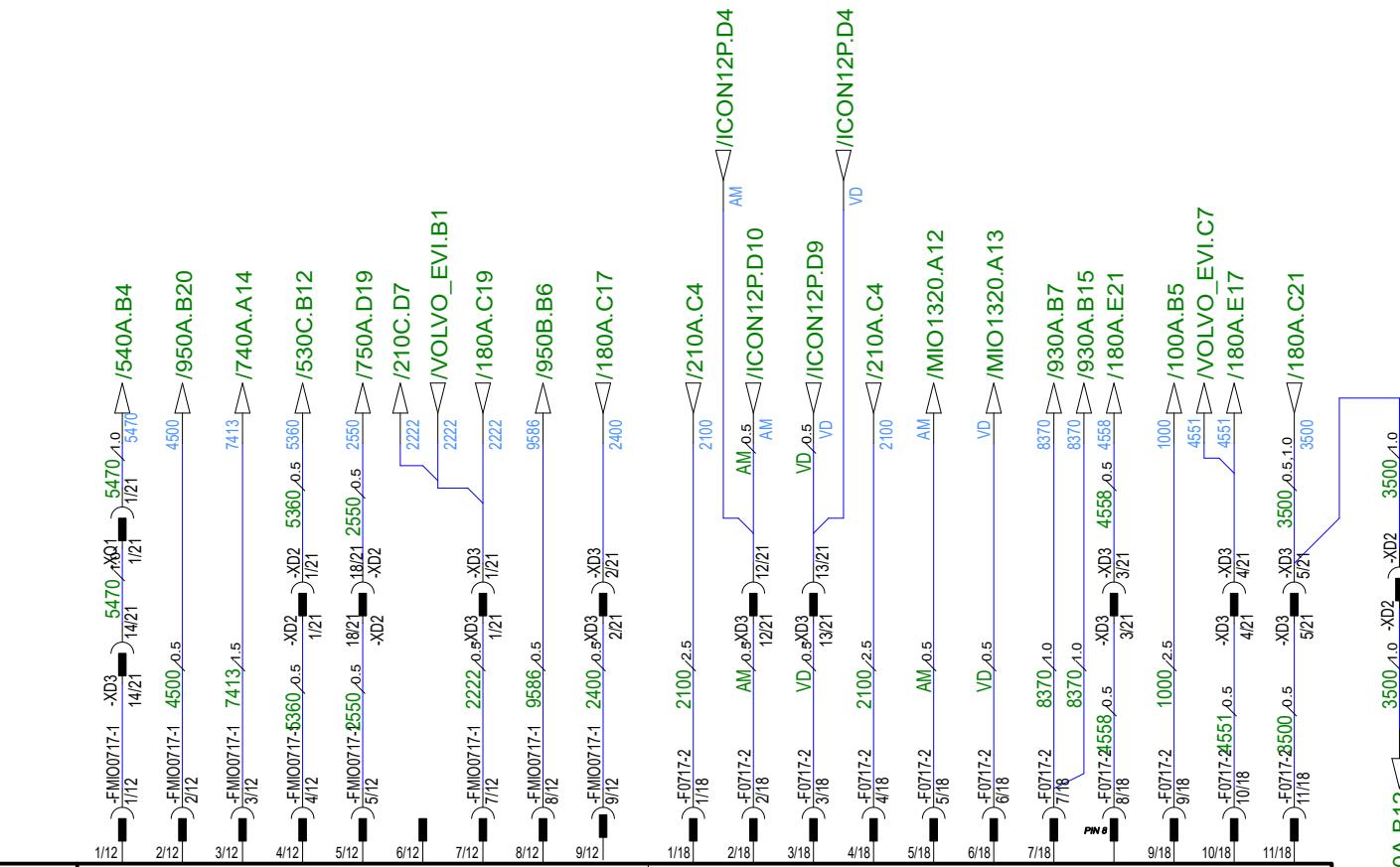
F

Módulo Multiplex - MIO0717

-MM2



CN1



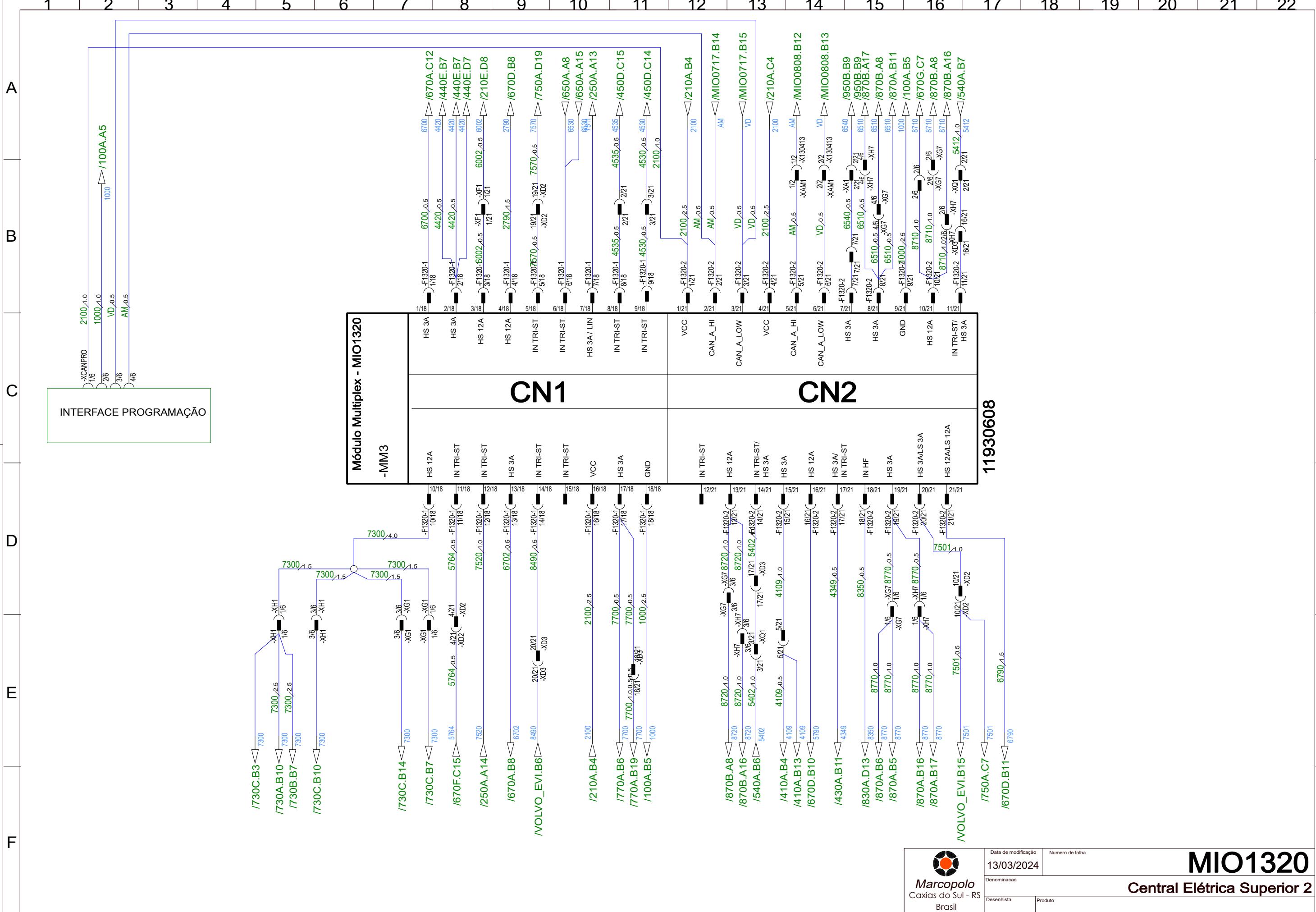
CN2

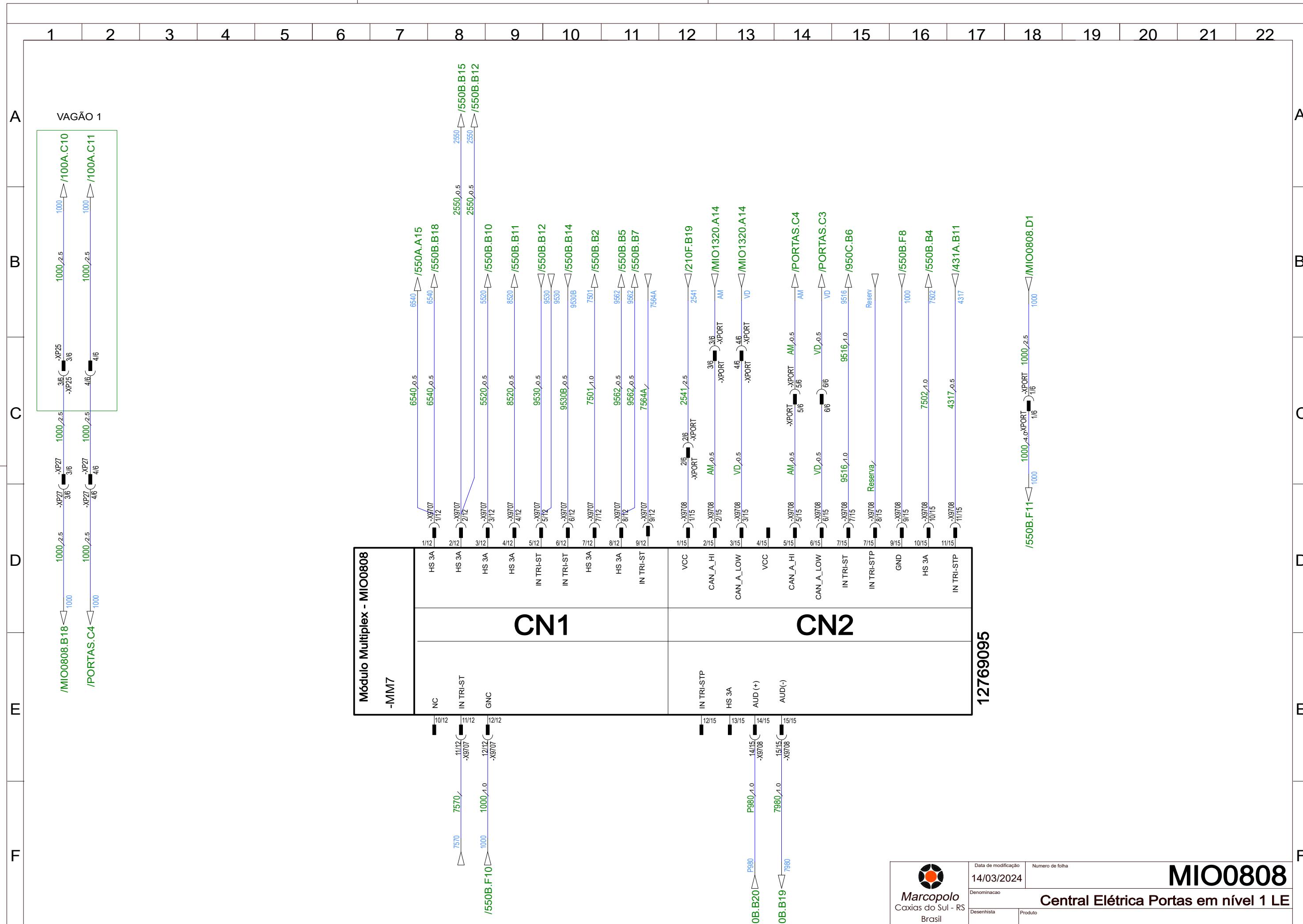
11930632

/350A.B12 < 350 3500/1.0 > XD2 3500/1.0

/350A.B12 < 350 3500/1.0 > XD2 3500/1.0

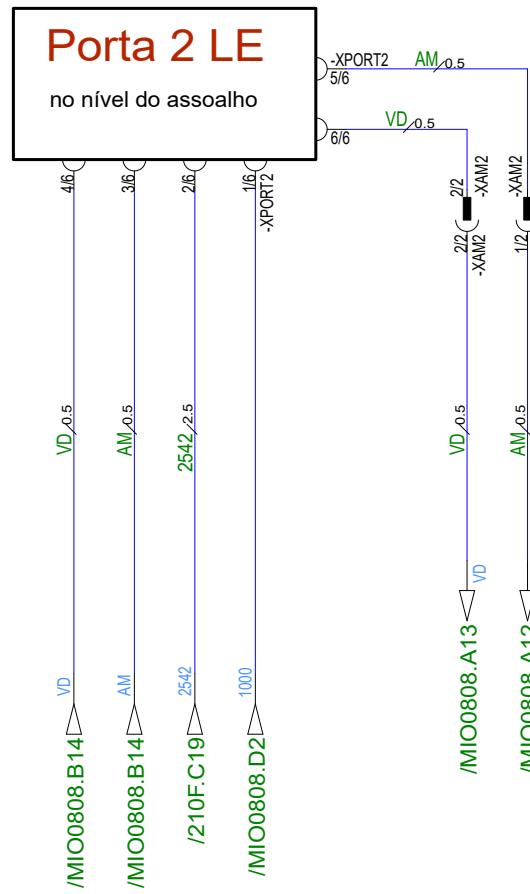
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22





1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A



B

C

D

E

F

A

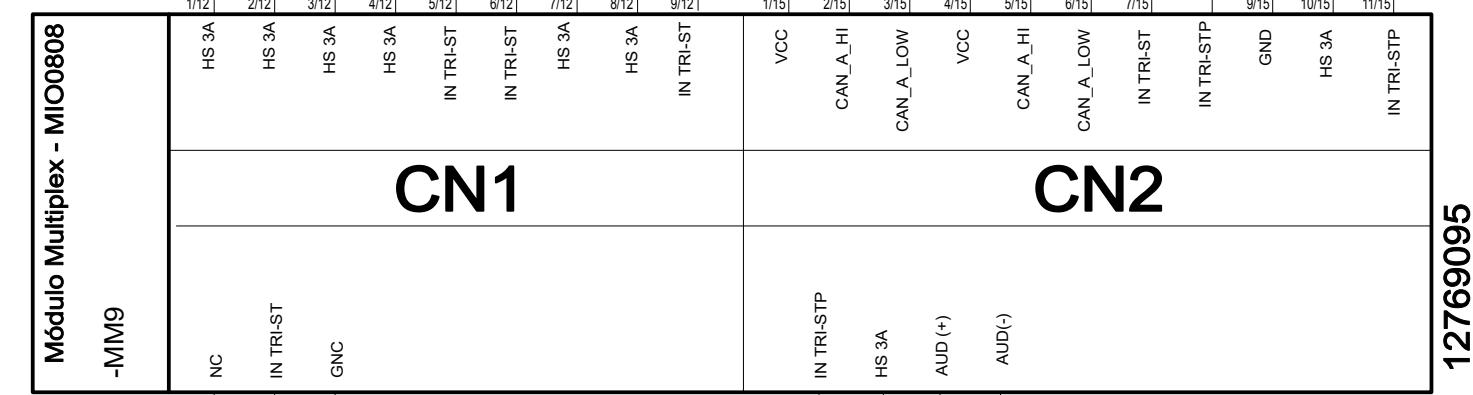
B

C

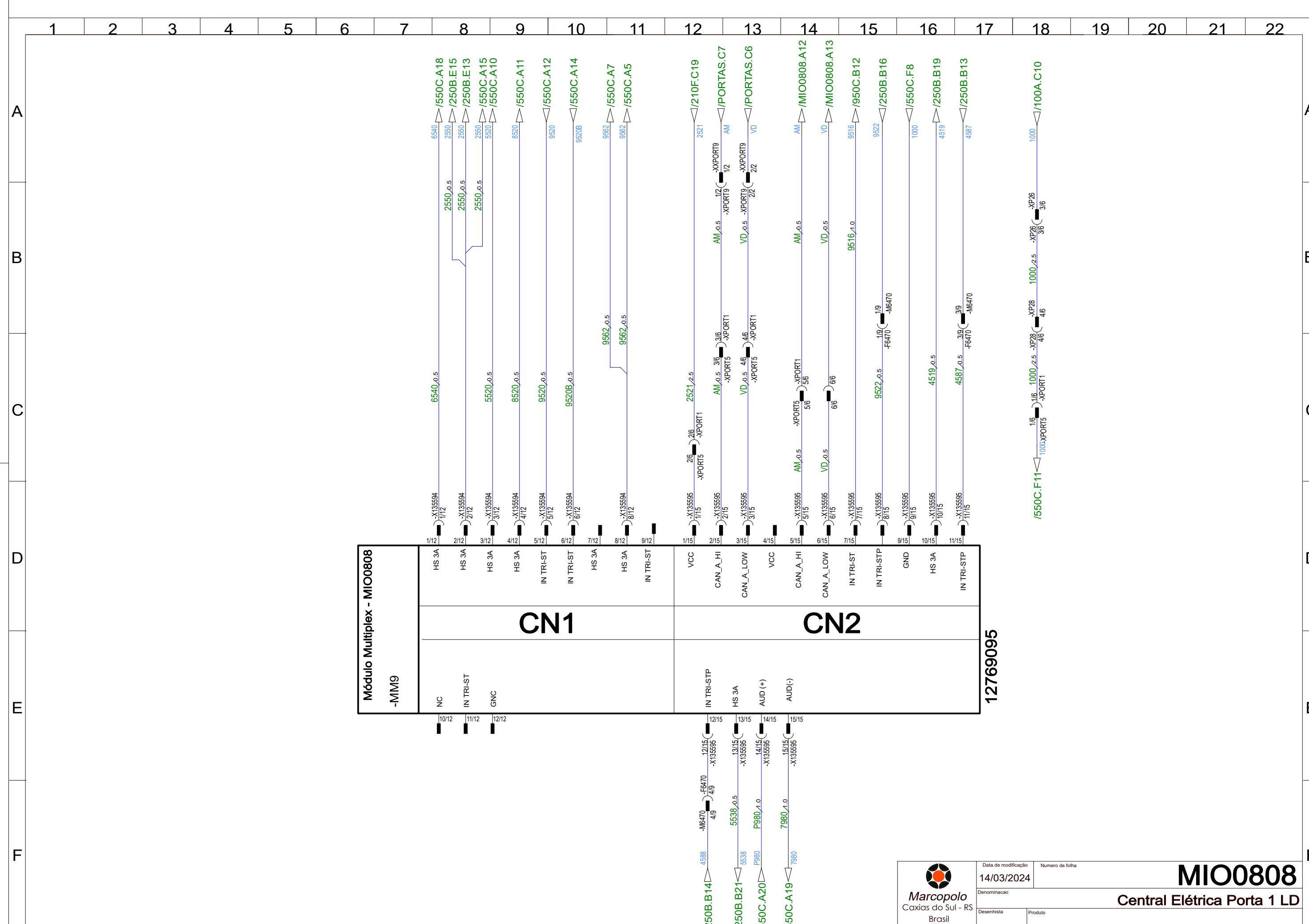
D

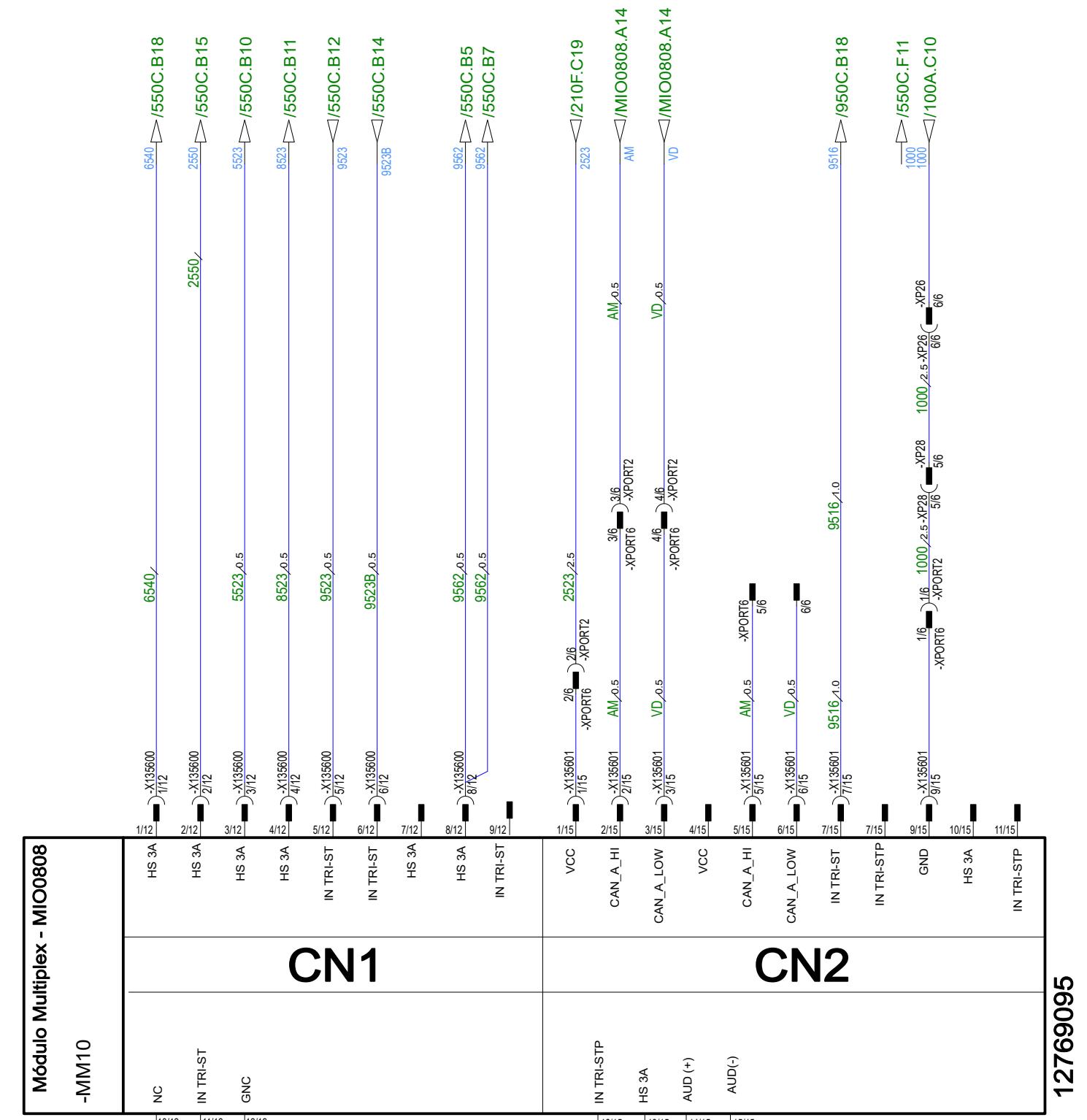
E

F



卷之三





12769095



Data de modificação 12/03/2024	Numero de folha
Denominacao	
Desenhista	Produto

MIO0808

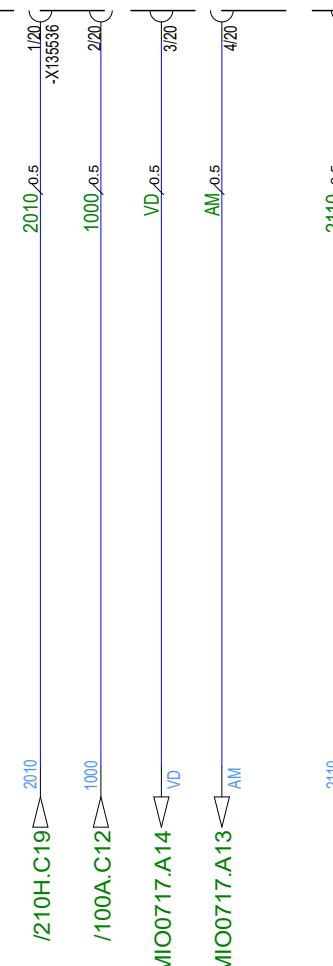
Central Elétrica Portas 3 LD

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A

VIISION 4 PARA VERIFICAÇÃO DE FALHAS

B



C

D

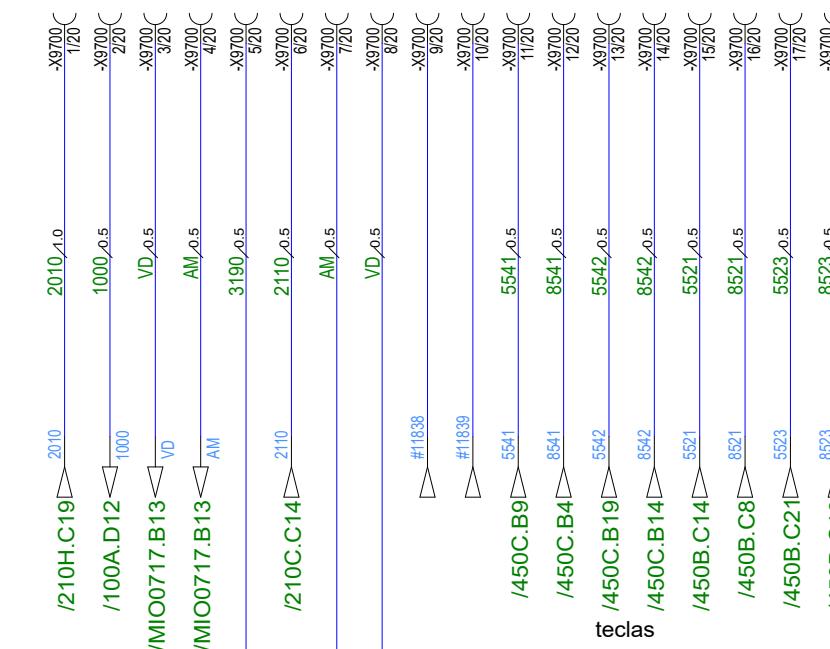
E

F

TECLADO ICON12P
(CRIAR COMPONENTE)



OLODIA



-AS4
CAN2 - INTERFACE
-FFMS 1/2
-FFMS 2/2



0445
a 0.5mm²
a 1.5mm²
a 2.5mm²

a 0.5mm²
a 1.5mm²
a 2.5mm²

1325

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

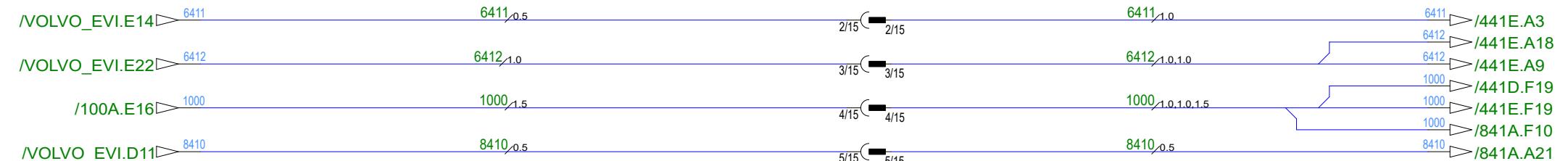
PAINEL

INFERIOR

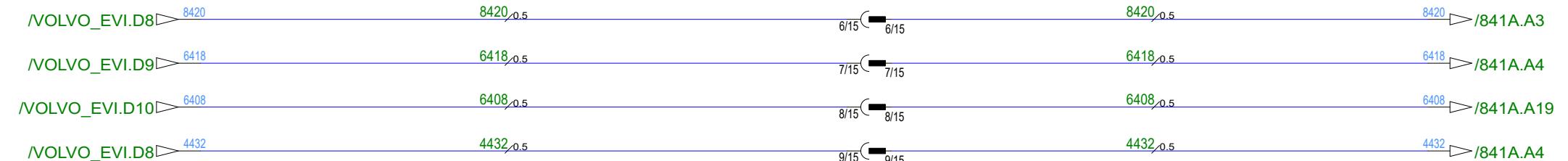
A



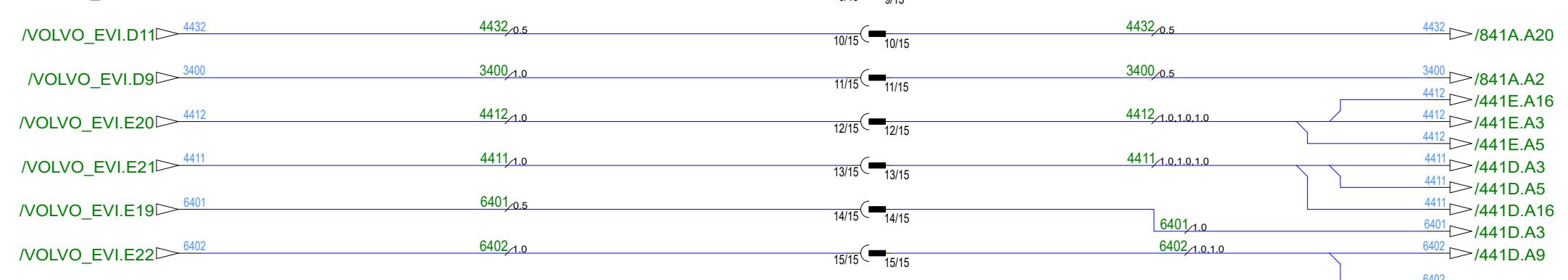
B



C



D



E

F

A

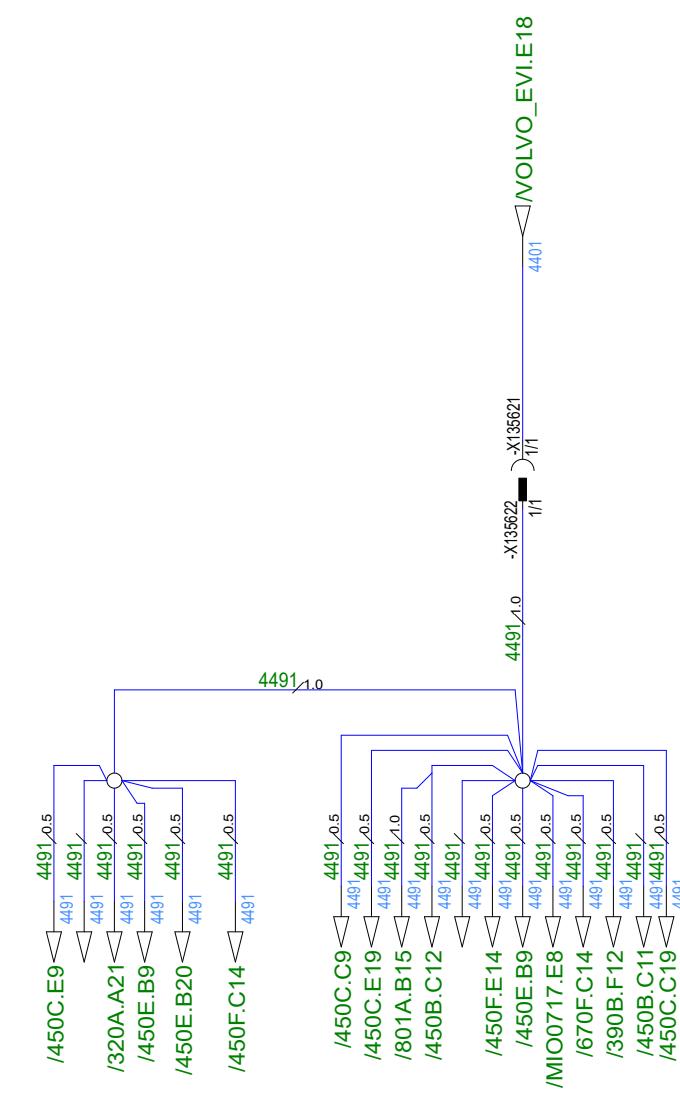
B

C

D

E

F



449A



Marcopolo
Caxias do Sul - RS
Brasil

Data de modificação	Numero de folha
07/03/2024	449A
Denominação	
Desenhista	Produto