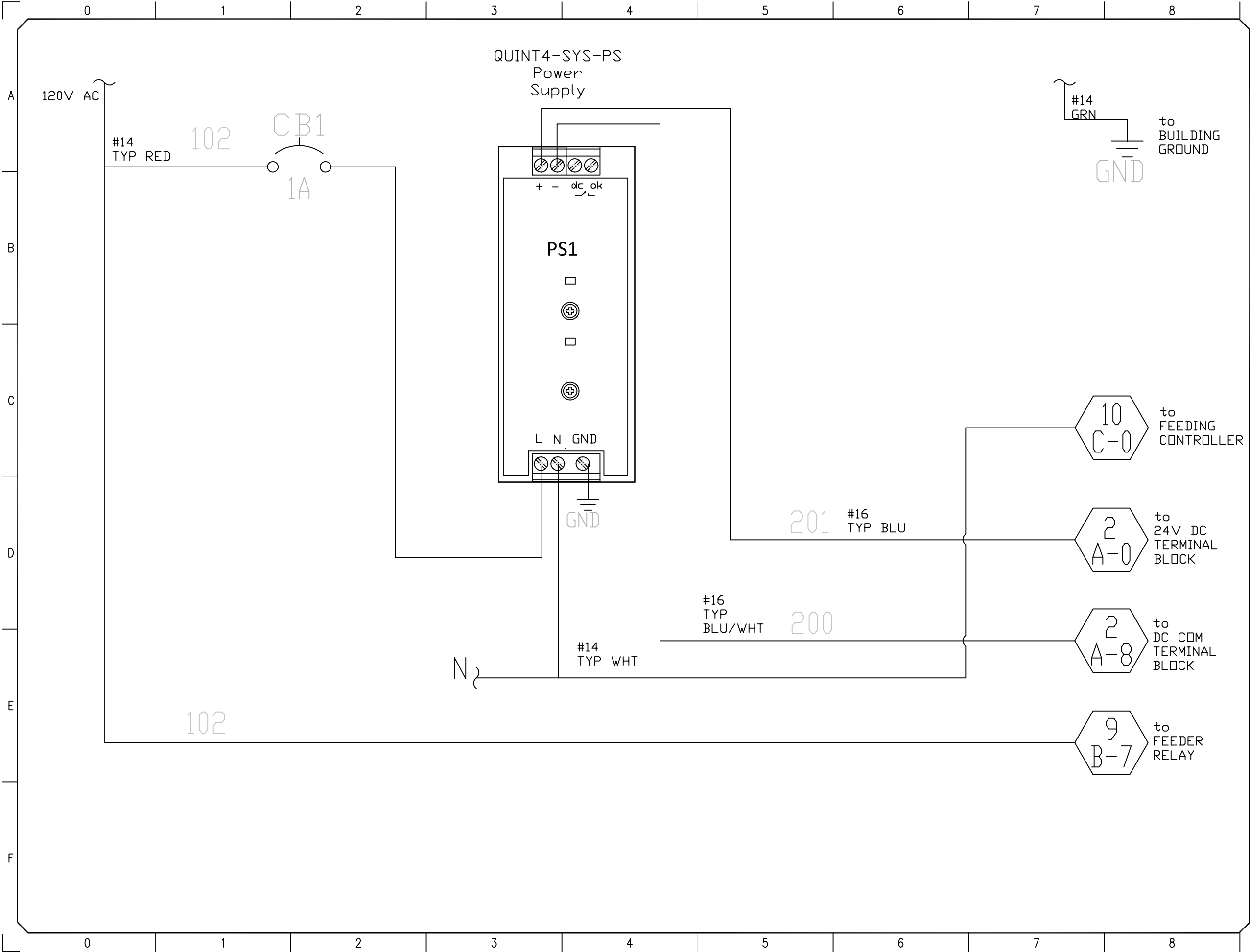




Winton Washer Machine Electrical Details

INDEX

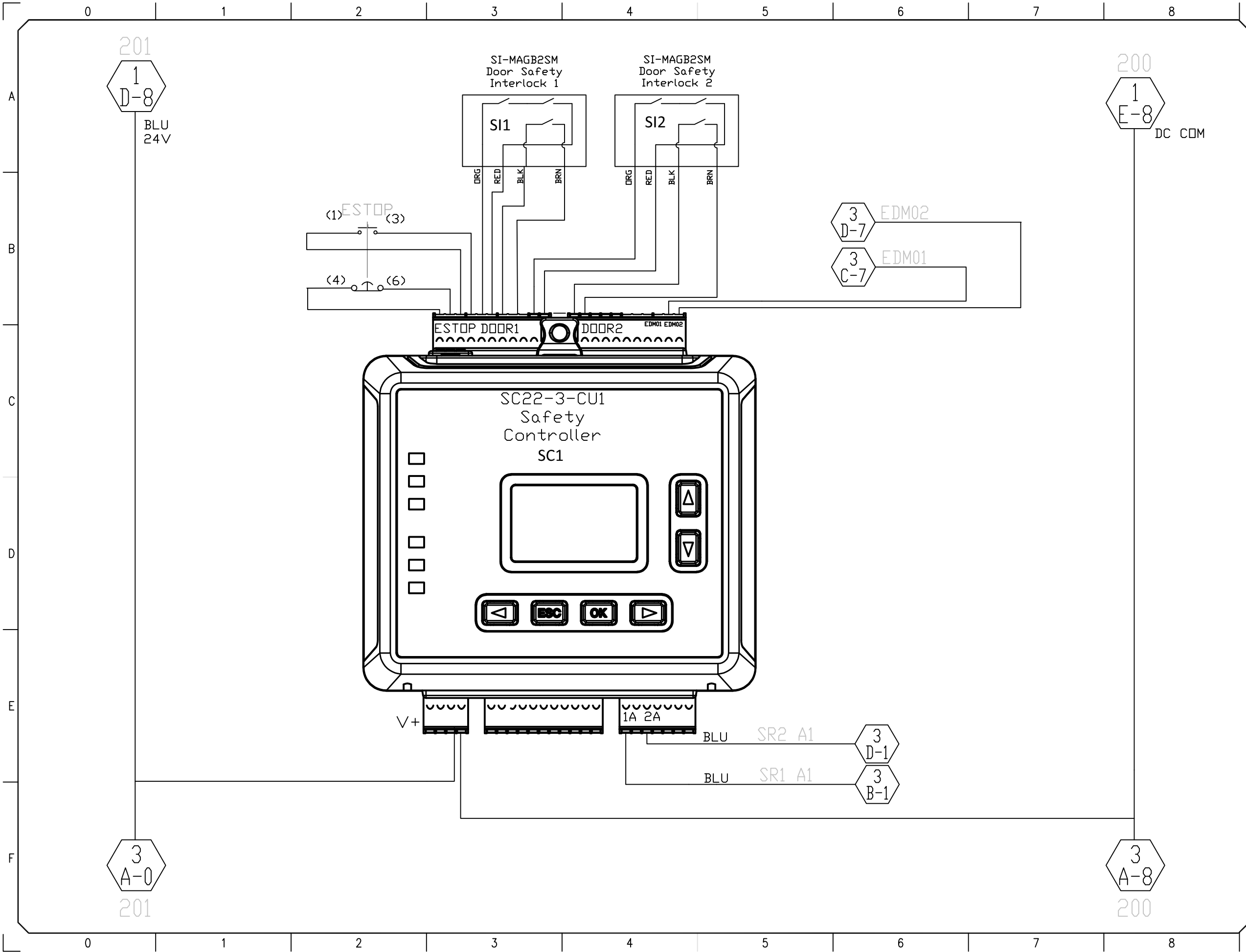
1	Power Supply
2	Safety Controller
3	Safety Relays
4	Siemens S3700 PLC
5	Output Valve Bank 1
6	Output Valve Bank 2
7	Input Bank 1
8	Input Bank 2
9	Input Module
10	Output Module
11	Feeder Controller
12	HMI
13	PLC Layout
14	Terminal Blocks
15	PLC BOM
16	Field Device BOM
17	Cable List



1

Autodesk

NO.	DATE	REVISION	BY
POWER SUPPLY			
ENGINEER	CHECKED BY		
TEAM_20	DANIEL_W		
JOB NO	DRAWN BY		
SWOBODA	JORDAN_H		
SCALE	DATE		
N.T.S.	8/1/2022		
DWG NO			
1			
SHEET NO	1 OF 17		



2

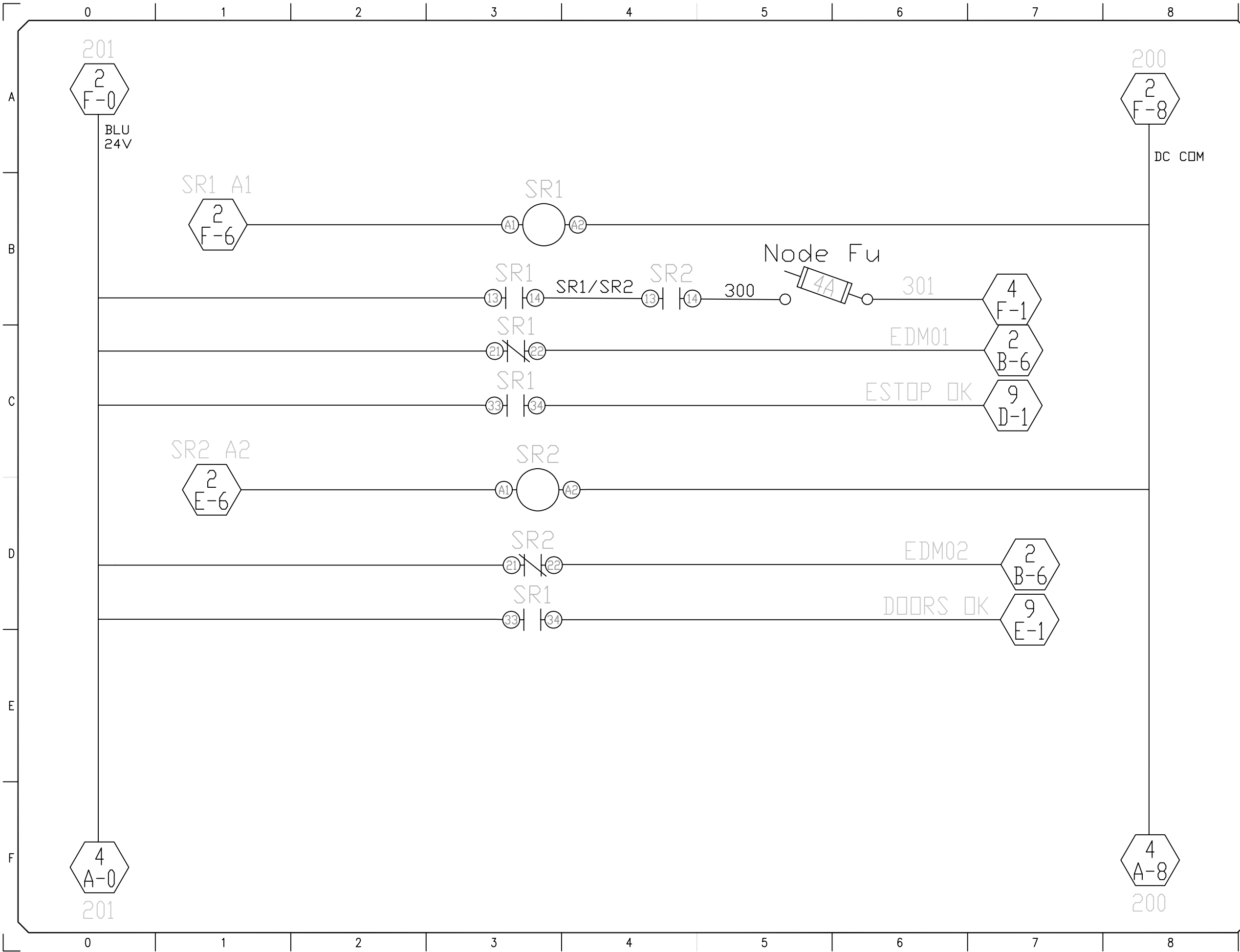
Autodesk

NO.	DATE	REVISION	BY
1			
2			
3			
4			
5			
6			
7			
8			
9			

SAFETY
CONTROLLER

ENGINEER
TEAM_20
JOB NO
SWOBODA
SCALE
N.T.S.
DWG NO
2

CHECKED BY
DANIEL_W
DRAWN BY
JORDAN_H
DATE
8/1/2022
SHEET NO
2 OF 17



9

3

A

B

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D

E

F

Autodesk

NO.	DATE	REVISION	BY

SAFETY_RELAY

ENGINEER	CHECKED BY
TEAM_20	DANIEL_W

JOB NO	DRAWN BY
SWOBODA	JORDAN_H

SCALE	DATE
N.T.S.	8/1/2022

CAD DWG FILE CAD#

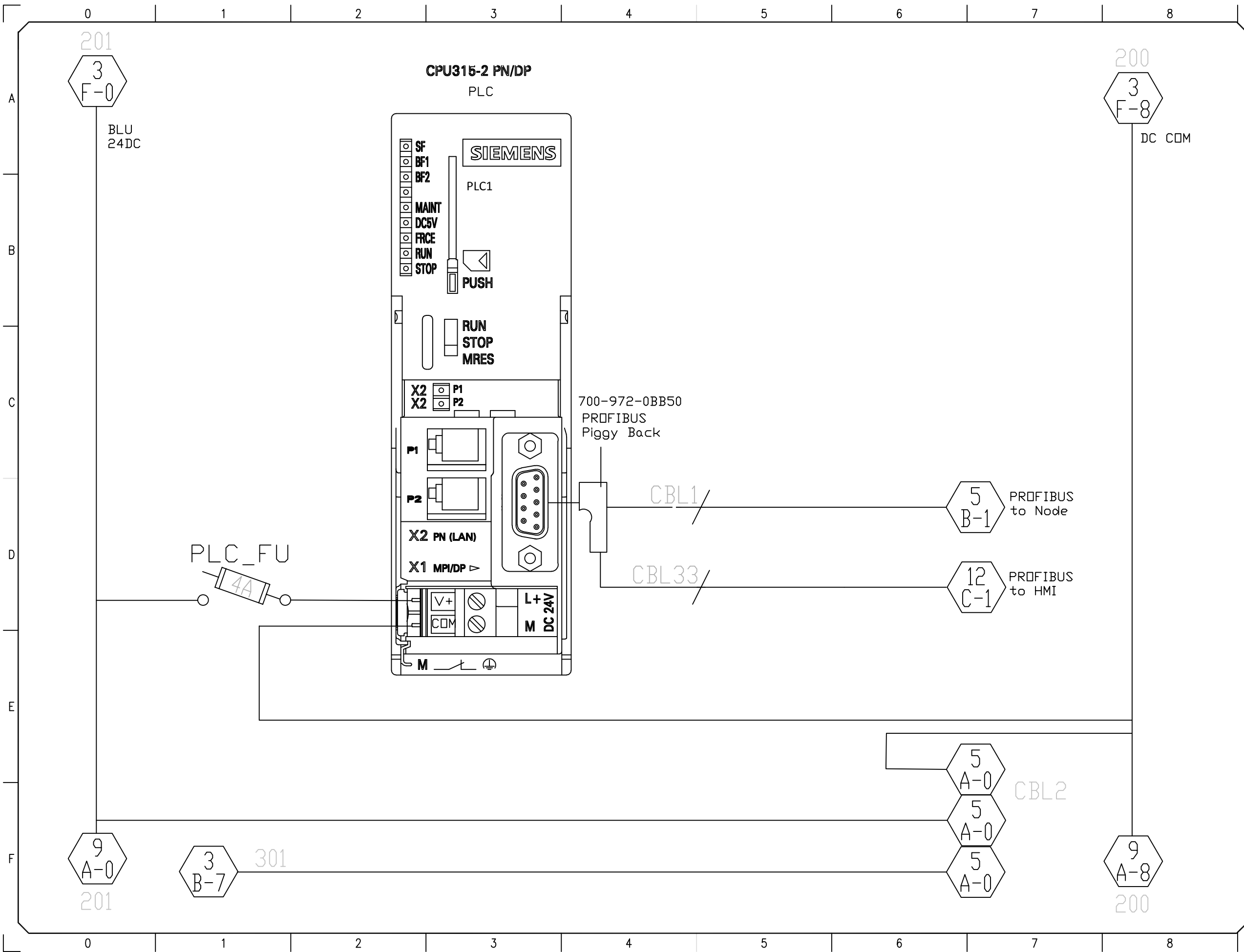
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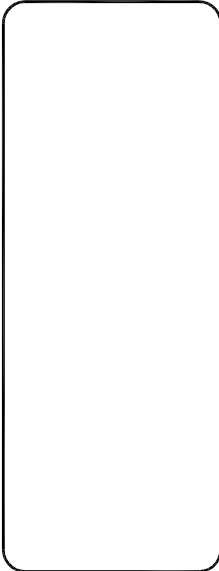
SHEET NO

3 OF 17

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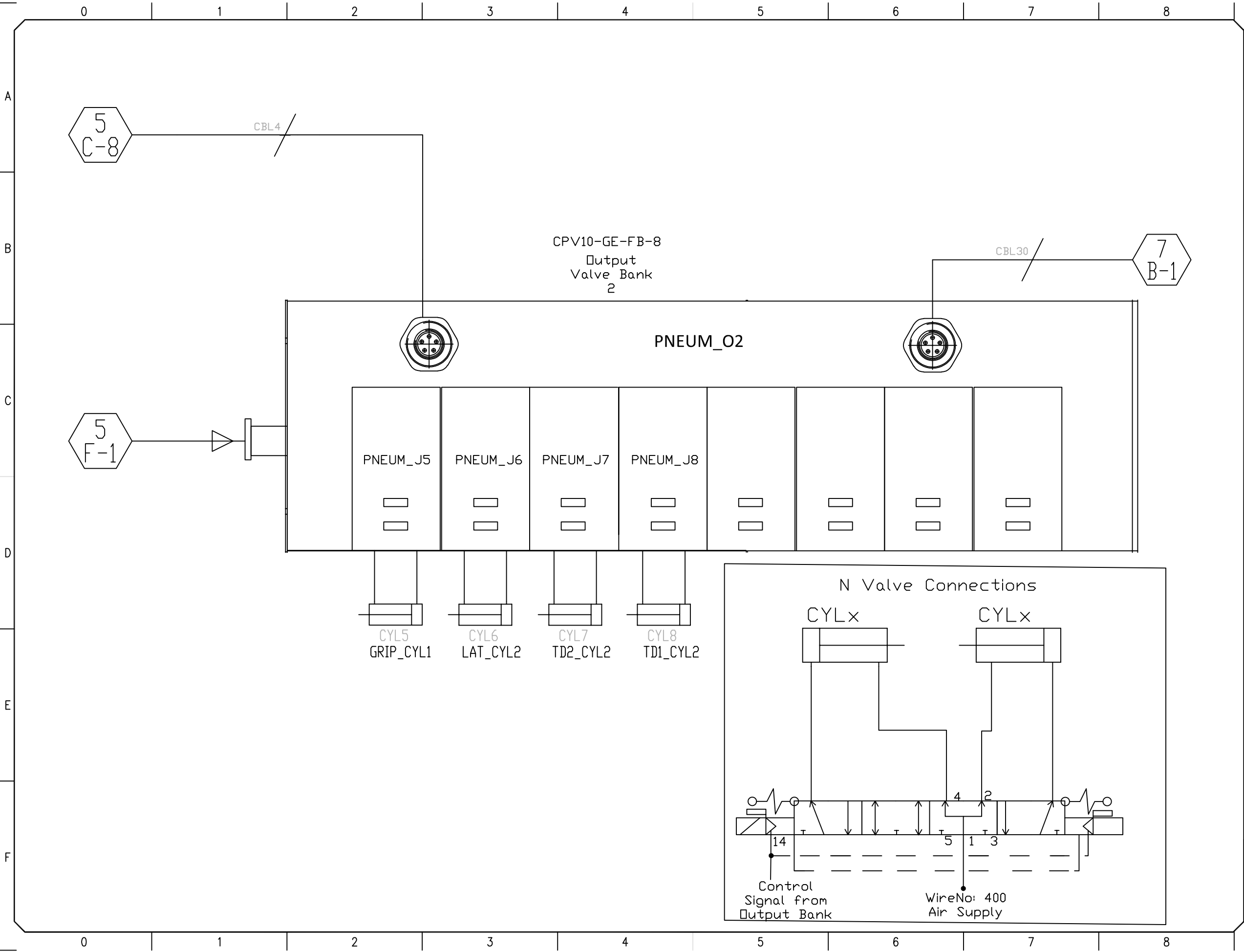


4



Autodesk

NO.	DATE	REVISION	BY
DWG TITLE			
SIEMANS S7300			
ENGINEER	TEAM_20	CHECKED BY	DANIEL_W
JOB NO	SWOBODA	DRAWN BY	JORDAN_H
SCALE	N.T.S.	DATE	8/1/2022
DWG NO	4		
SHEET NO	4 OF 17		



9

6

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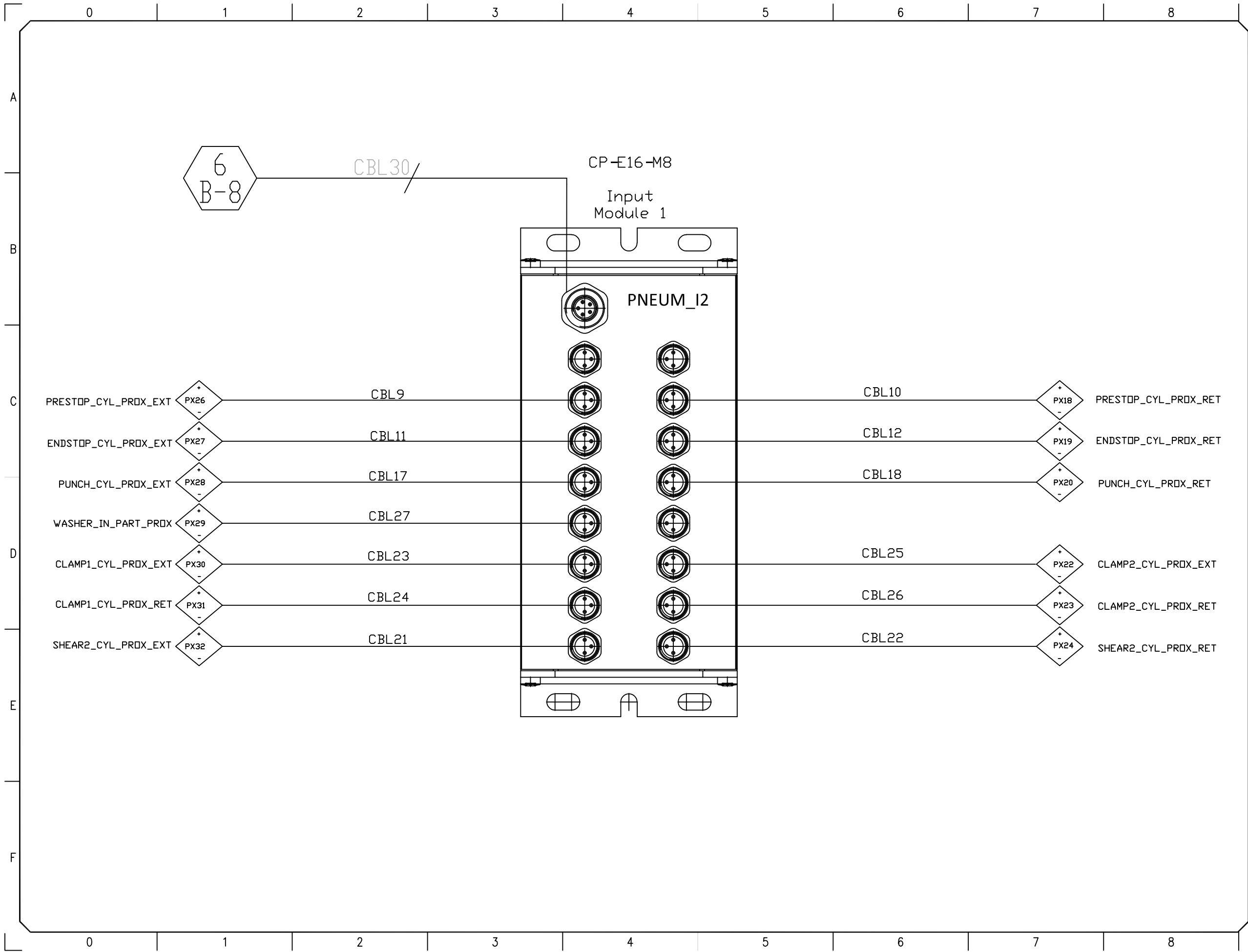
C

D

Autodesk

NO.	DATE	REVISION	BY
DWG TITLE			
OUTPUT_VALVE BANK_2			
ENGINEER	TEAM_20	CHECKED BY	DANIEL_W
JOB NO	SWOBODA	DRAWN BY	JORDAN_H
SCALE	N.T.S.	DATE	8/1/2022
DWG NO	6		
SHEET NO	6 OF 17		

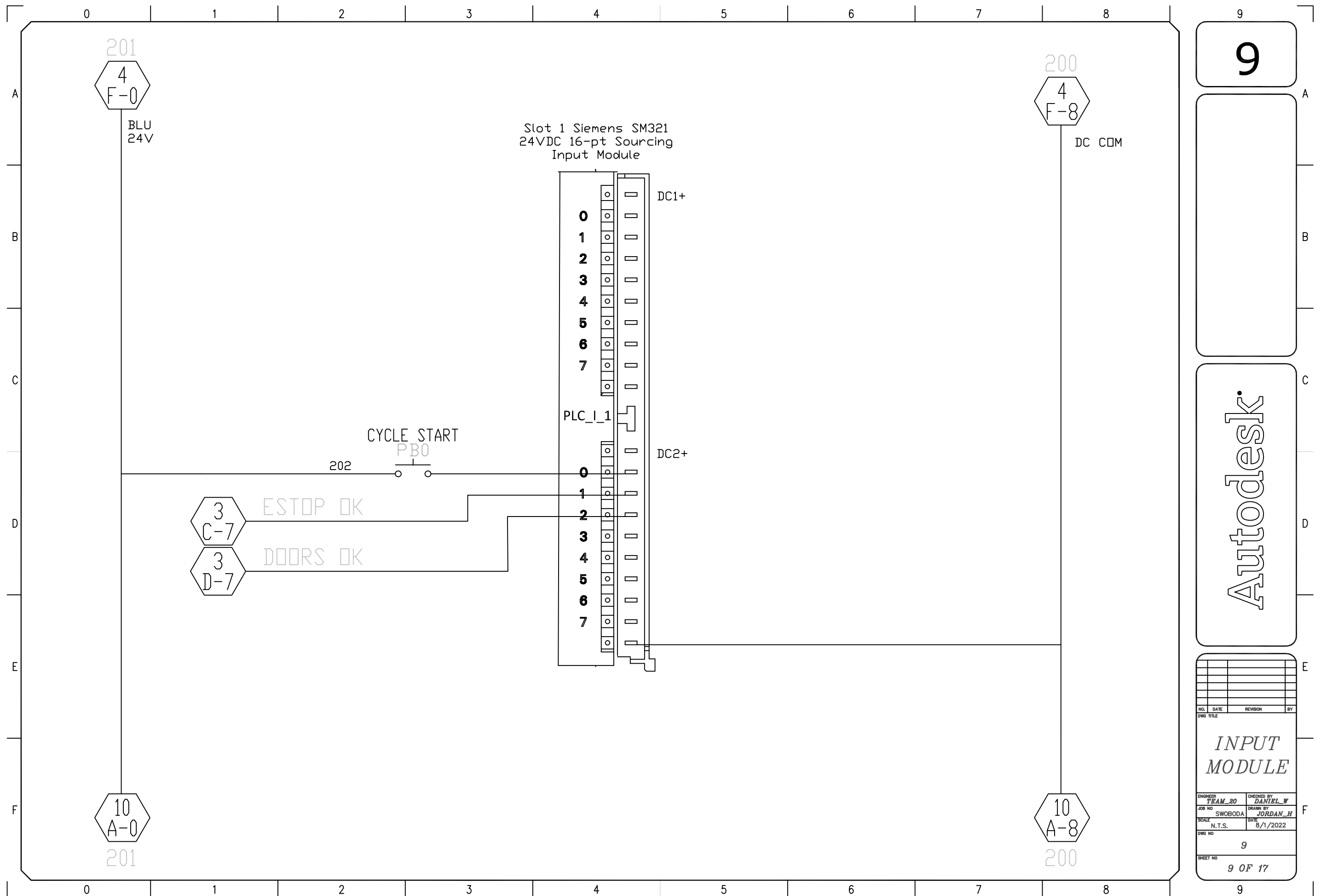
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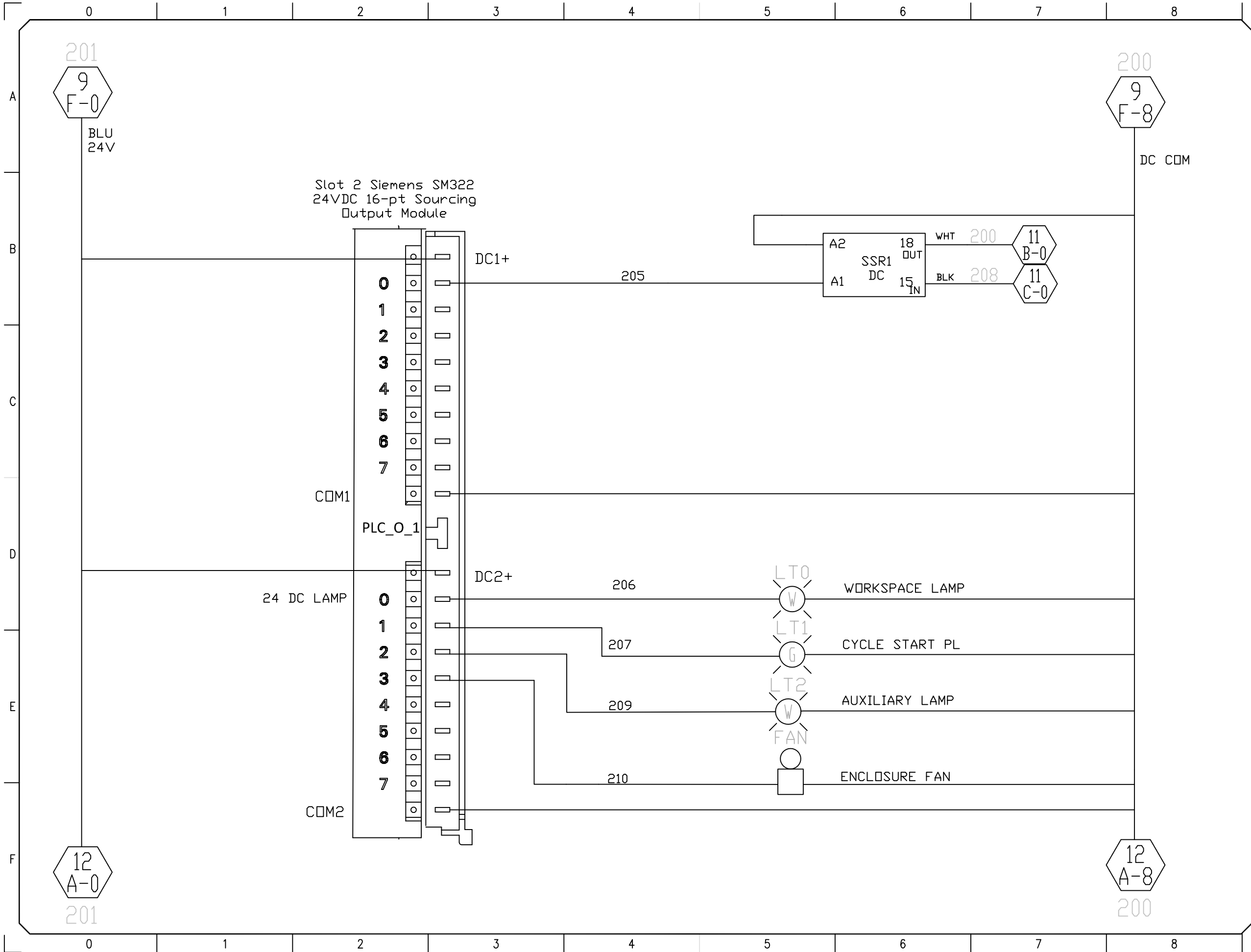


7

Autodesk

NO.	DATE	REVISION	BY
DWG TITLE			
INPUT BANK_1			
ENGINEER	TEAM_20	CHECKED BY	DANIEL_W
JOB NO	SWOBODA	DRAWN BY	JORDAN_H
SCALE	N.T.S.	DATE	5/1/2022
DWG NO	7		
SHEET NO	7 OF 17		





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10

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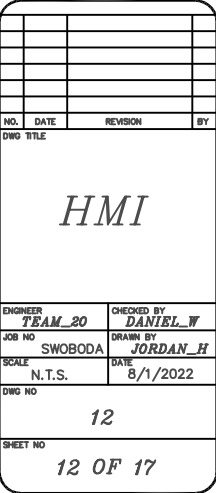
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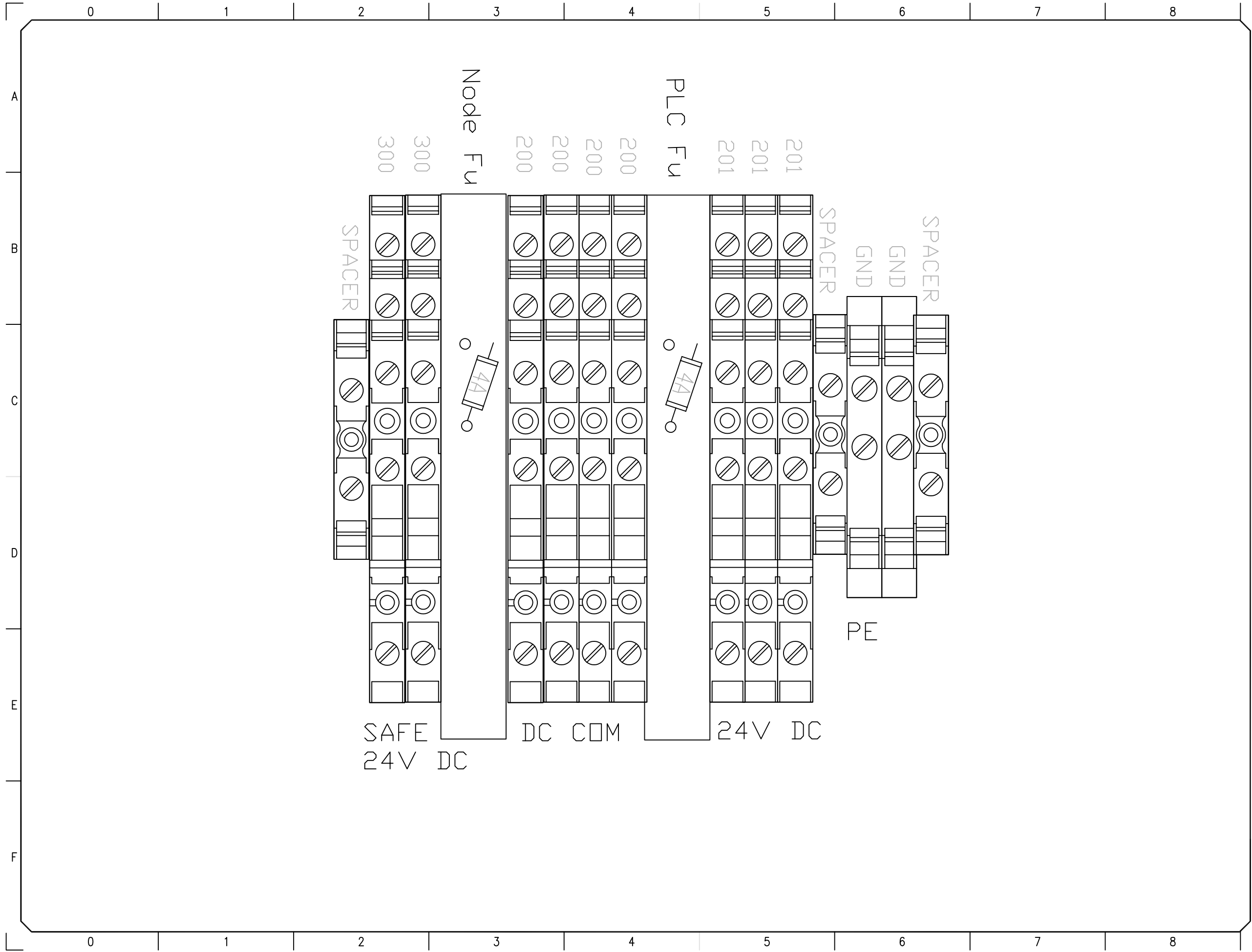
NO.	DATE	REVISION	BY

OUTPUT
MODULE

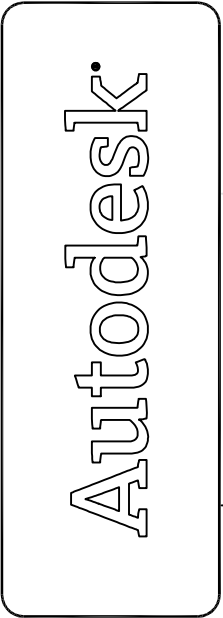
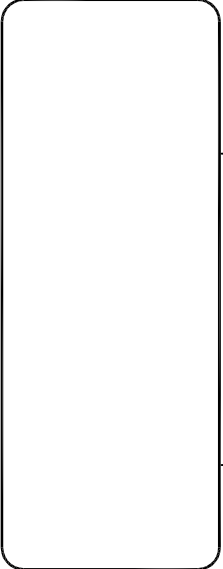
ENGINEER	CHECKED BY
TEAM_20	DANIEL_W
JOB NO. SWOBODA	DRAWN BY JORDAN_H
SCALE N.T.S.	DATE 8/1/2022
DWG NO.	
SHEET NO.	10
	10 OF '7

9

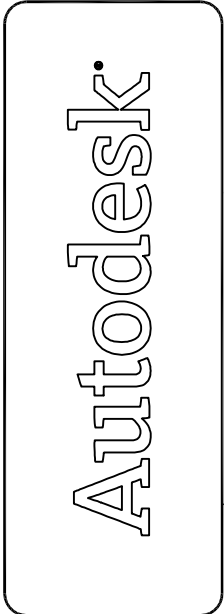




14



NO.	DATE		REVISION				BY		
DWG TITLE									
<i>TERMINAL BLOCKS</i>									
ENGINEER			CHECKED BY						
<i>TEAM_20</i>			<i>DANIEL_W</i>						
JOB NO			DRAWN BY						
<i>SWOBODA</i>			<i>JORDAN_H</i>						
SCALE			DATE						
<i>N.T.S.</i>			<i>8/1/2022</i>						
DWG NO									
<i>14</i>									
SHEET NO									
<i>14 OF 17</i>									



No.	Date			Revision				By	
<i>DWG TITLE</i>									
PLC BOM									
ENGINEER <i>TEAM_20</i>					CHECKED BY <i>DANIEL_W</i>				
JOB NO. SWOBODA					DRAWN BY <i>JORDAN_H</i>				
SCALE N.T.S.					DATE 8/1/2022				
<i>DWG NO</i>									
<i>15</i>									
<i>SHEET NO</i>									
<i>15 OF 17</i>									

PLC Panel Bill of Materials			
Component	Model	Quantity	Manufacturer
PS1	QUINT4-SYS-PS	1	Phoenix Contact
CB1	C32H-DC C1A	1	Merlin Gerin
SC1	SC22-3-CU1	1	Banner
PLC_FU	1CP22	1	BUssman
PLC	Siemens Simatic S7-300, PNP	1	Siemens
HMI_FU	1CP16	1	Bussman
HMI	KTP400 Comfort	1	Siemens
PLC_I_1	SM321, Source (PNP) PLC Input Module	1	Siemens
PLC_O_1	SM322, Source (PNP) 16DO PLC Output Modul	1	Siemens
SSR1 AC	AD-SSR810-DC-28Z	1	Omron
Fan	GDT12025B24V2 P2.54AP	1	GSTIME

	0	1	2	3	4	5	6	7	8
A	Field Device Bill of Materials								
	Component	Model		Quantity		Manufacturer			
	PX[1-22]	QUINT4-SYS-PS		23		SMC Pneumatics			
	PX23	DW-AD-501-04		1		Contrinex			
	PE	VSM-2M5NAEL-2M		1		Banner			
B	ESTOP	XN1E-LV413Q4MR		1		IDEC			
	CYCLE_START	HB-H60-063		1		Precision Mixer			
	SI	SI-MAGB2SM		2		Banner			
	FC1	ET15RY LM1CC		1		Feeding Concepts Inc			
	F1	E-0383		1		Feeding Concepts Inc			
C	Node1	CP-FB13-E		1		Festo			
	PNEUM_O	cpv10-GE-FB-8		2		Festo			
	PNEUM_I	CP-E16-M8		2		Festo			
	PNUEM_J	J Valve		8		Festo			
	PNEUM_N	N Valve		1		Festo			
	CYL1	Lat		1					
	CYL2	Grip		1					
	CYL3	Prestop		1					
	CYL4	Endstop		1					
	CYL5	Rot 1		1					
	CYL6	Rot 2		1					
	CYL7	Punch		1					
	CYL8	Clamp 1		1					
	CYL9	Clamp 2		1					
	CYL10	Shear 1		1					
	CYL11	Shear 2		1					
F	LT0	WLS28-2XW285XQ		1		Banner			
	0	1	2	3	4	5	6	7	8

9

16

A

B

Autodesk

C

NO.	DATE	REVISION	BY
DWG TITLE			
FIELD DEVICE BOM			
ENGINEER TEAM_20	CHECKED BY DANIEL_W		
JOB NO SWOBODA	DRAWN BY JORDAN_H		
SCALE N.T.S.	DATE 8/1/2022		
DWG NO 17			
SHEET NO 16 OF 17			

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	0	1	2	3	4	5	6	7	8				
A				Cable List									
				C1	Profibus Signal to Node	PROFIBUS FC Standard Cable GP							
				C2	Power to Node	NEBU-M12-W8 5 Pin							
B				C3	Power to Input Module 1	NEBU-M12-W8 5 Pin							
				C4	Power to Input Module 2	NEBU-M12-W8 5 Pin							
				C5	PX1	M12, 3-PIN, NEBU-LE							
				C6	PX2	M12, 3-PIN, NEBU-LE							
				C7	PX3	M12, 3-PIN, NEBU-LE							
				C8	PX4	M12, 3-PIN, NEBU-LE							
				C9	PX5	M12, 3-PIN, NEBU-LE							
				C10	PX6	M12, 3-PIN, NEBU-LE							
				C11	PX7	M12, 3-PIN, NEBU-LE							
				C12	PX8	M12, 3-PIN, NEBU-LE							
C				C13	PX9	M12, 3-PIN, NEBU-LE							
				C14	PX10	M12, 3-PIN, NEBU-LE							
				C15	PX11	M12, 3-PIN, NEBU-LE							
				C16	PX12	M12, 3-PIN, NEBU-LE							
				C17	PX13	M12, 3-PIN, NEBU-LE							
				C18	PX14	M12, 3-PIN, NEBU-LE							
				C19	PX15	M12, 3-PIN, NEBU-LE							
				C20	PX16	M12, 3-PIN, NEBU-LE							
				C21	PX17	M12, 3-PIN, NEBU-LE							
				C22	PX18	M12, 3-PIN, NEBU-LE							
D				C23	PX19	M12, 3-PIN, NEBU-LE							
				C24	PX20	M12, 3-PIN, NEBU-LE							
				C25	PX21	M12, 3-PIN, NEBU-LE							
				C26	PX22	M12, 3-PIN, NEBU-LE							
				C27	PX23	M12, 3-PIN, NEBU-LE							
				C28	PE1	M12, 3-PIN, NEBU-LE							
				C29	Power to Output Module 1	NEBU-M12-W8 5 Pin							
				C30	Power to Output Module 2	NEBU-M12-W8 5 Pin							
				E				C31	Feeder Controller	Standard 120 AC Receptacle Cable			
								C32	Feeder	Standard 120 AC Receptacle Cable			
C33	Profibus	PROFIBUS FC Standard Cable GP											
F													
	0	1	2	3	4	5	6	7	8				

17

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NO.	DATE	REVISION	BY
DWG TITLE			
<i>CABLE LIST</i>			
ENGINEER	CHECKED BY		
<i>TEAM_20</i>	<i>DANIEL_W</i>		
JOB NO	DRAWN BY		
<i>SWOBODA</i>	<i>JORDAN_H</i>		
SCALE	DATE		
<i>N.T.S.</i>	<i>8/1/2022</i>		
DWG NO			
<i>17</i>			
SHEET NO			
<i>17 OF 17</i>			