

Rockwell Automation

Global Manufacturing Solutions

ELECTRICAL REQUIREMENTS FOR THE EQUIPMENT

SUPPLY VOLTAGE: XXXVAC, X PHASE, XXHZ

TOTAL CONNECTED HP: ____??____

TOTAL CONNECTED KVA: __??_____

TOTAL POWER FACTOR KVAR: ____??_____

ESTIMATED FULL LOAD AMPS: ____??_____

RUNNING FULL LOAD AMPS: _____??_

MAIN FUSE OR BREAKER: ____??____ AMPS

PLANT FUSE OR BREAKER: _____??_ AMPS

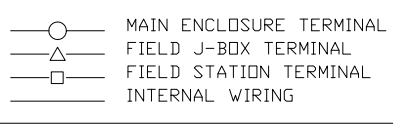
SHORT CIRCUIT WITHSTAND RATING: __??_____ AMPS

UTILITY REQUIREMENTS

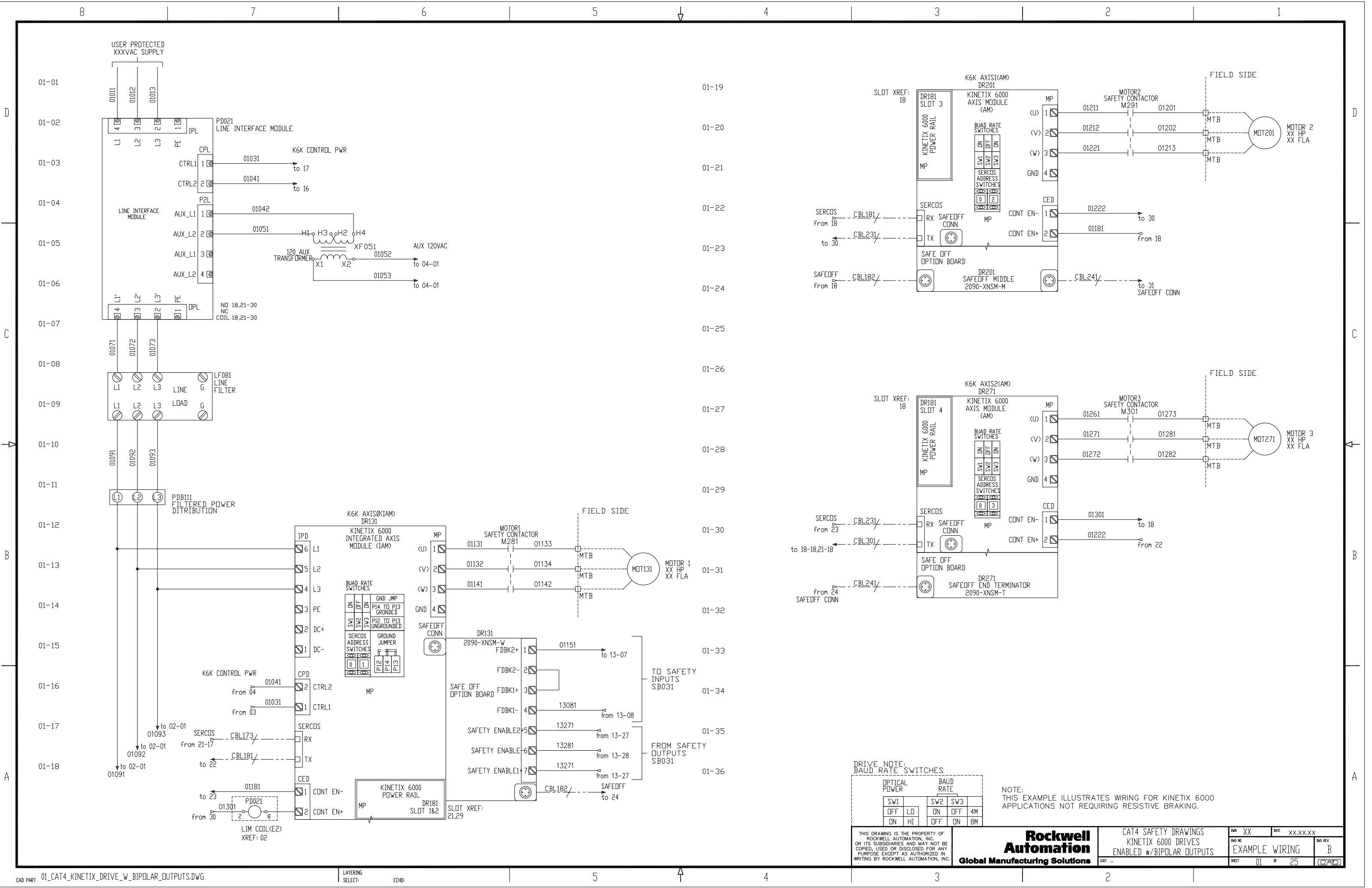
AIR:	80	PSI	??	SCFM
STEAM:	N/A	LBS/HR	??	
WATER:	N/A	GPM	??	
COOLANT:	N/A	PSI	??	GPM
GAS:	N/A	PSI	??	CFM
EXHAUST:	N/A	CFM	??	

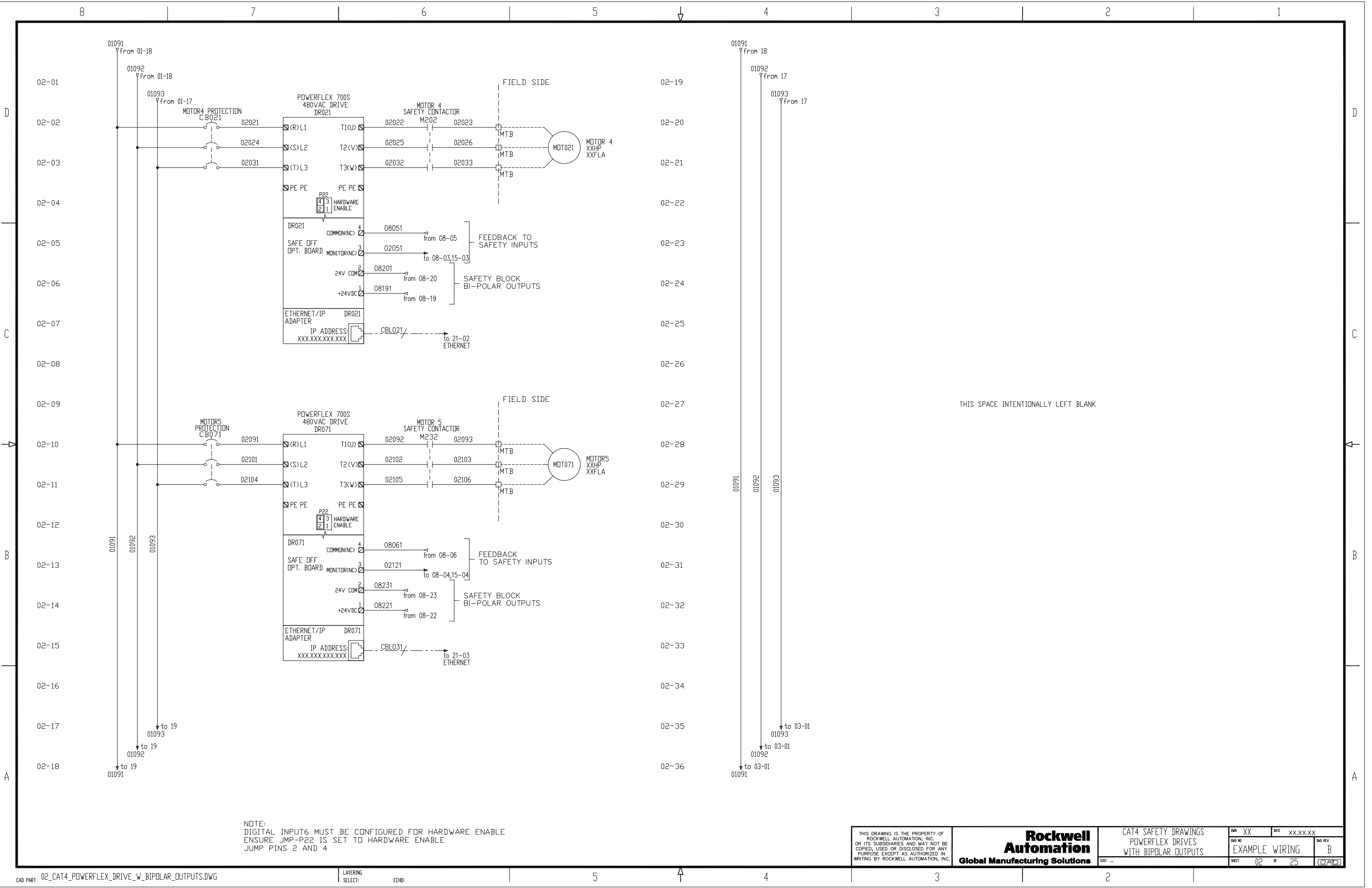
WIRING GUIDELINE

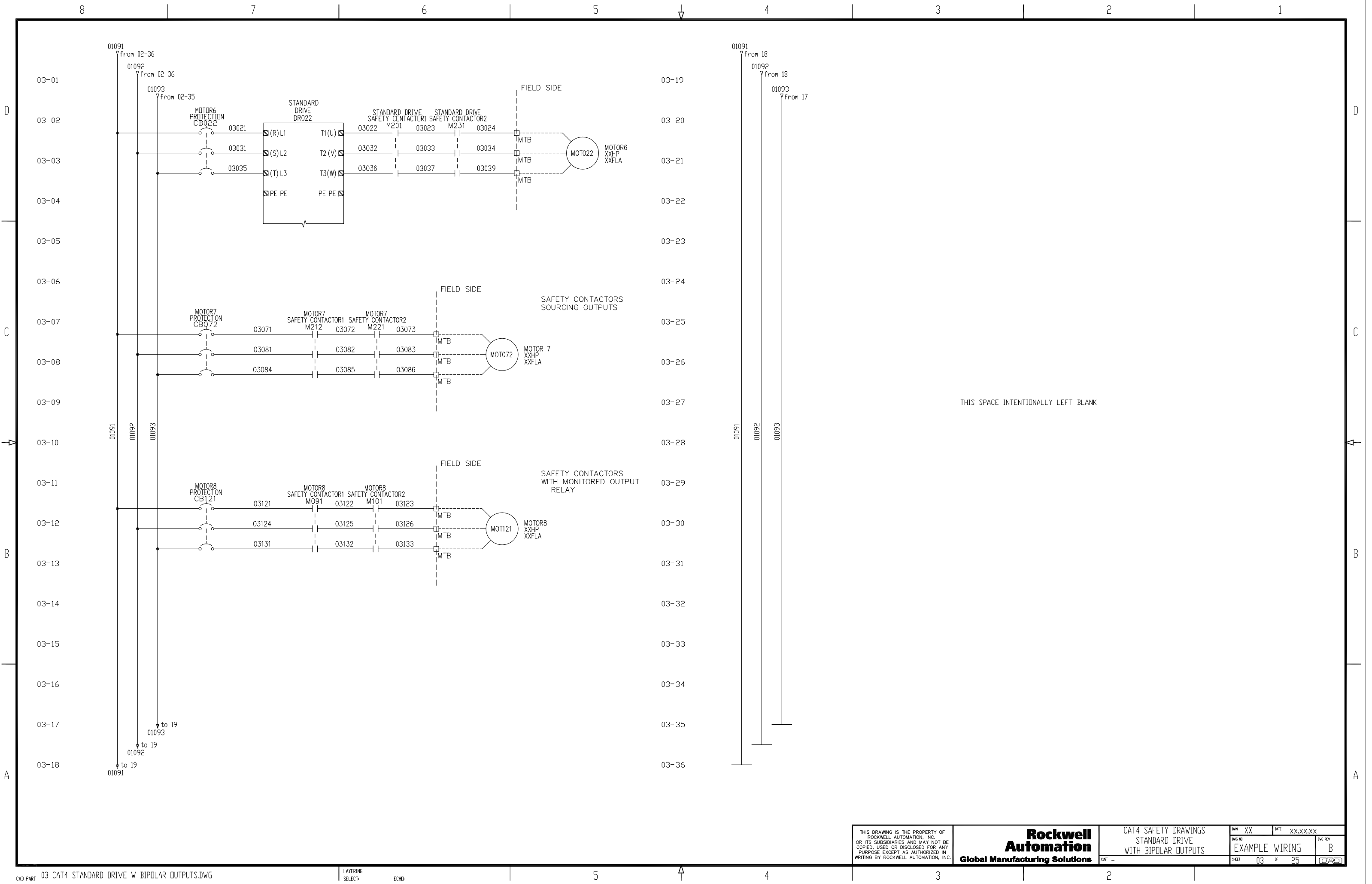
VOLTAGE	COLOR	TYPE	SIZE (Minimum)
XXXVAC	BLACK	MTW inside panel THHN outside panel	#XX AWG
120VAC	RED	MTW inside panel TFFN outside panel	#XX AWG #XX AWG
INTERLOCKS AND WIRING NOT CONTROLLED BY MAIN DISCONNECT	YELLOW	TFFN / THHN	#XX AWG
24VAC	BLUE w/RED TRACER	MTW inside panel TFFN outside panel	#XX AWG
24VDC (+)	BLUE	MTW inside panel TFFN outside panel	#XX AWG
24VDC (-)	WHITE w/BLUE -OR- BLUE w/WHITE TRACER	MTW inside panel TFFN outside panel	#XX AWG
24VDC INTERLOCKS AND WIRING NOT CONTROLLED BY MAIN DISCONNECT	YELLOW w/BLUE TRACER	TFFN / THHN	#XX AWG
GROUND	GREEN or GRN/YEL	MTW inside panel TFFN outside panel	#XX AWG
120VAC NUETRAL	WHITE	MTW inside panel TFFN outside panel	#XX AWG #XX AWG

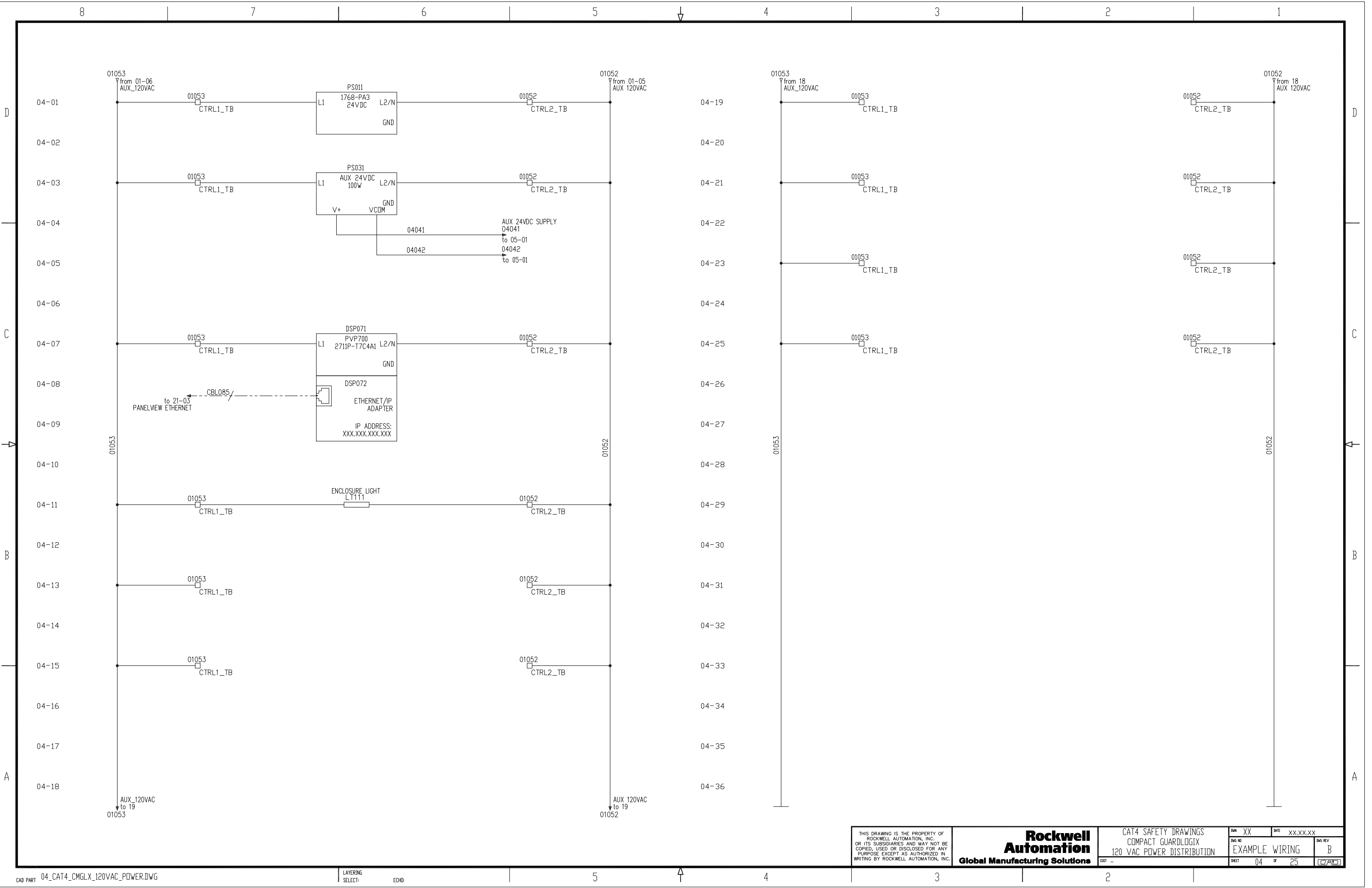


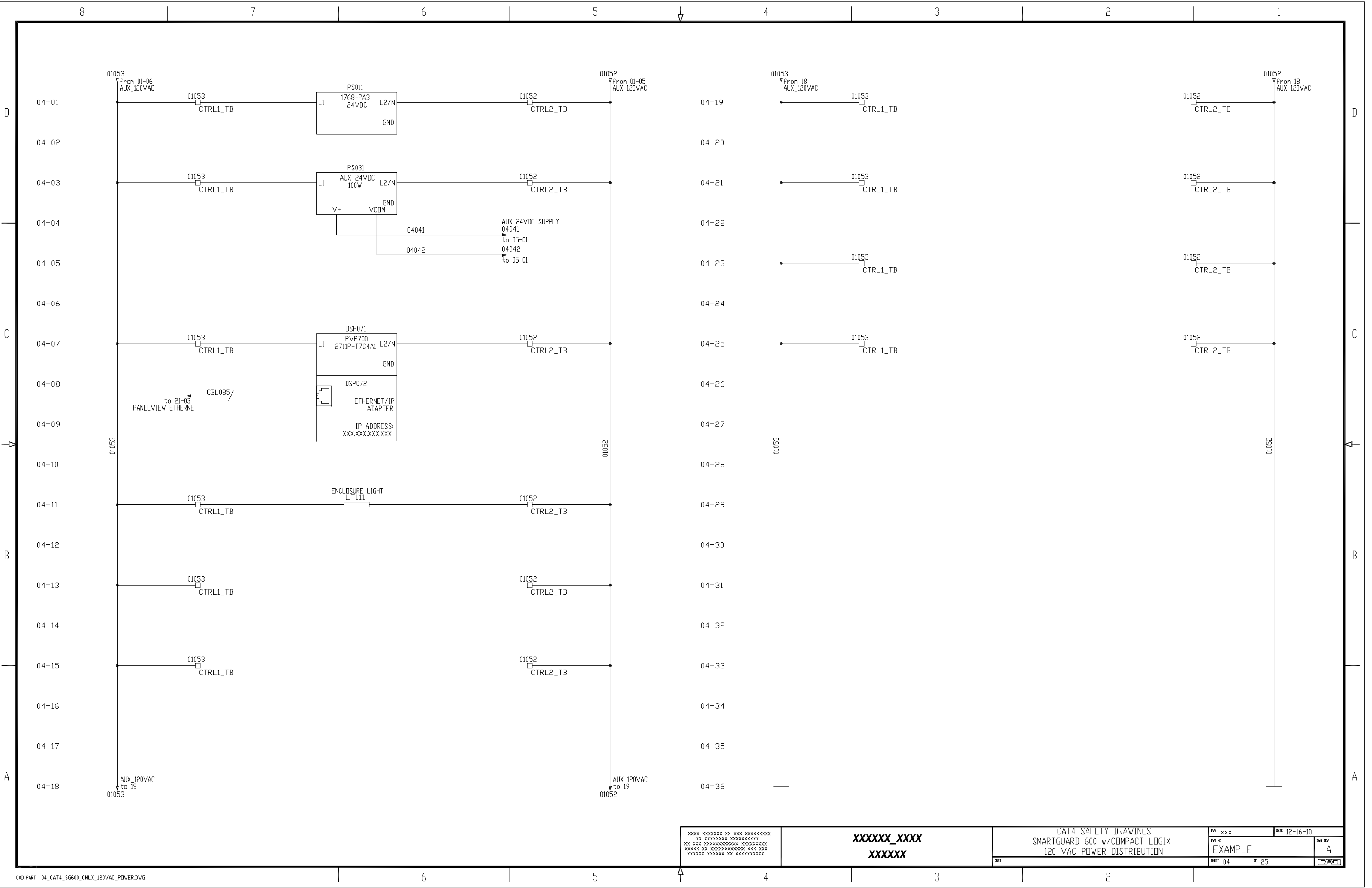
CAT4 Safety Drawings List			
FILENAME	DESCRIPTION	SHEET	FILEDATE
00_CAT4_Title_Sheet	DRAWING LIST	00	3/10/2010
01_CAT4_Kinetix_Drive_w_Bipolar_Outputs	KINETIX 6000 DRIVES	01	3/10/2010
02_CAT4_PowerFlex_Drive_w_Bipolar_Outputs	POWERFLEX DRIVES	02	3/10/2010
03_CAT4_Standard_Drive_w_Bipolar_Outputs	STANDARD DRIVE	03	3/10/2010
04_CAT4_G LX_120VAC_Power	GUARDLOGIX POWER DISTRIBUTION	04	3/10/2010
04_CAT4_CMGLX_120VAC_Power	COMPACT GUARDLOGIX POWER DISTRIBUTION	04	3/10/2010
04_CAT4_SG600_CMLX_120VAC_Power	SMARTGUARD 600 w/COMPACT LOGIX POWER DISTRIBUTION	04	12/17/2010
05_CAT4_Monitored_Safety_Relay	MONITORED SAFETY RELAY	05	3/10/2010
06_CAT4_Light_Curtain_SensaGuard	LIGHT CURTAIN/SENSAGUARD	06	3/10/2010
07_CAT4_1791DS_IB16	1791DS-IB16	07	3/10/2010
08_CAT4_1791DS_IB8XDBV4	1791DS-IB8XDBV4	08	3/10/2010
09_CAT4_1791DS_IB8XDB8	1791DS-IB8XDB8	09	3/10/2010
10_CAT4_1791DS_IB12	1791DS-IB12	10	3/10/2010
11_CAT4_1791DS_IB4XDW4	1791DS-IB4XDW4	11	3/10/2010
12_CAT4_1791ES_IB16	1791ES-IB16	12	3/10/2010
13_CAT4_1791ES_IB8XDBV4	1791ES-IB8XDBV4	13	3/10/2010
14_CAT4_1732DS_IB8	1732DS-IB8	14	3/10/2010
15_CAT4_1732DS_IB8XDBV4	1732DS-IB8XDBV4	15	3/10/2010
16_CAT4_1734_IB8S_DB8S	1734-IB8S/1734-DB8S	16	3/10/2010
17_CAT4_Kinetix_Axis0_Drive_I_O	KINETIX AXIS0 DRIVE I/O	17	3/10/2010
18_CAT4_Kinetix_Axis1_Drive_I_O	KINETIX AXIS1 DRIVE I/O	18	3/10/2010
19_CAT4_Kinetix_Axis2_Drive_I_O	KINETIX AXIS2 DRIVE I/O	19	3/10/2010
20_CAT4_PowerFlex_Drive_I_O	POWEFLEX DRIVE I/O	20	3/10/2010
21_CAT4_G LX_Comm_Networks	GUARDLOGIX COMMUNICATIONS NETWORKS	21	3/10/2010
21_CAT4_CMGLX_Comm_Networks	COMPACT GUARDLOGIX COMMUNICATIONS NETWORKS	21	3/10/2010
21_CAT4_SG600_CMLX_Comm_Networks	SMARTGUARD 600 w/COMPACT LOGIX COMMUNICATIONS NETWORKS	21	12/17/2010
22_CAT4_G LX_Digital_Inputs	GUARDLOGIX DIGITAL INPUTS	22	3/10/2010
22_CAT4_CMGLX_Digital_Inputs	COMPACT GUARDLOGIX DIGITAL INPUTS	22	3/10/2010
22_CAT4_SG600_CMLX_Safety_Inputs	SMARTGUARD 600 w/COMPACT LOGIX SAFETY INPUTS	22	12/17/2010
23_CAT4_G LX_Digital_Outputs	GUARDLOGIX DIGITAL OUTPUTS	23	3/10/2010
23_CAT4_CMGLX_Digital_Outputs	COMPACT GUARDLOGIX DIGITAL OUTPUTS	23	3/10/2010
23_CAT4_SG600_CMLX_Safety_Outputs	SMARTGUARD 600 w/COMPACT LOGIX SAFETY OUTPUTS	23	12/17/2010
24_CAT4_Ethernet_Switch	ETHERNET SWITCH	24	12/17/2010
25_CAT4_G LX_Panel_Layout	GUARDLOGIX PANEL LAYOUT	25	3/10/2010
25_CAT4_CMGLX_Panel_Layout	COMPACT GUARDLOGIX PANEL LAYOUT	25	3/10/2010
25_CAT4_SG600_CMLX_Panel_Layout	SMARTGUARD 600 w/COMPACT LOGIX PANEL LAYOUT	25	12/17/2010

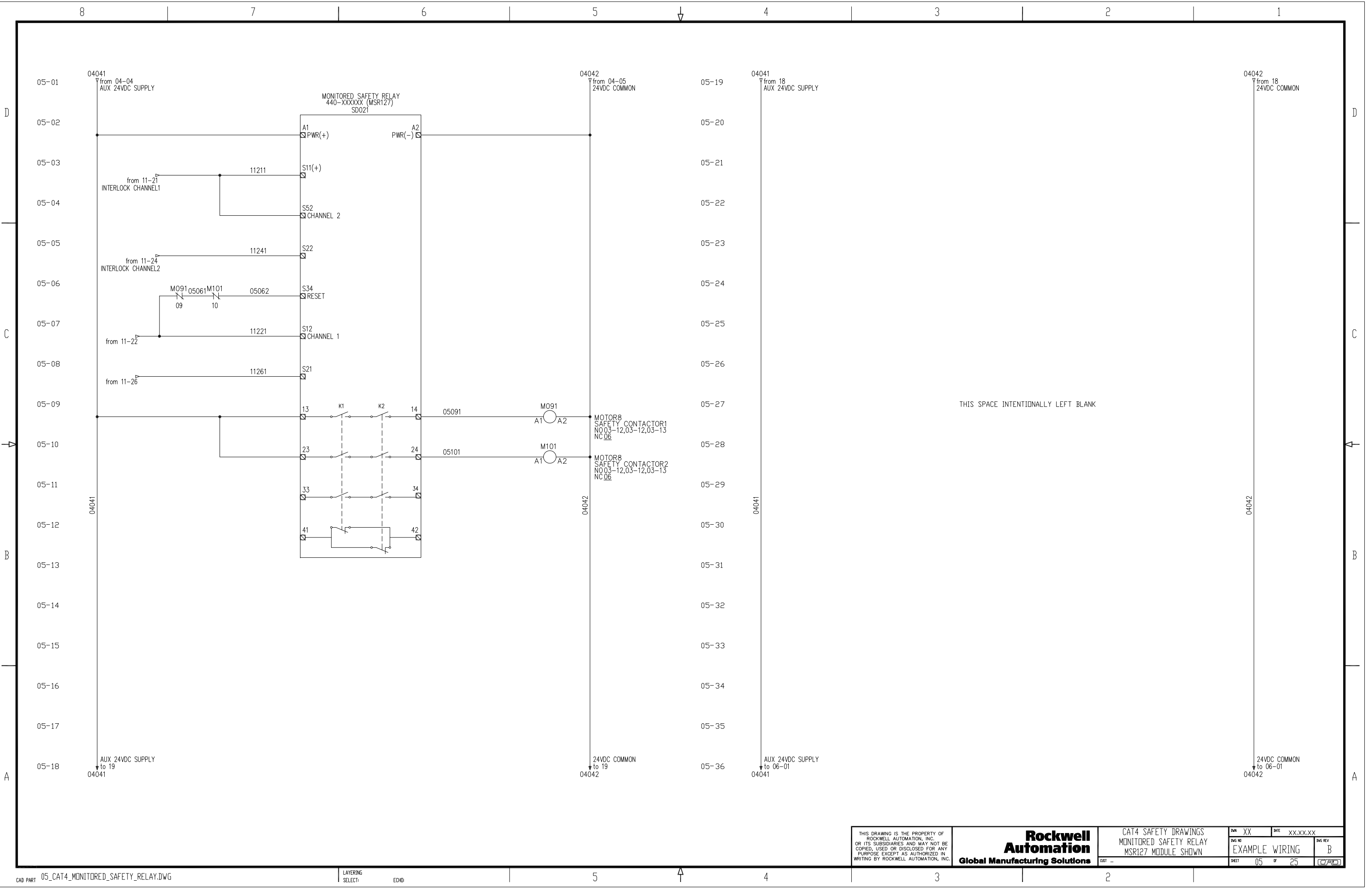


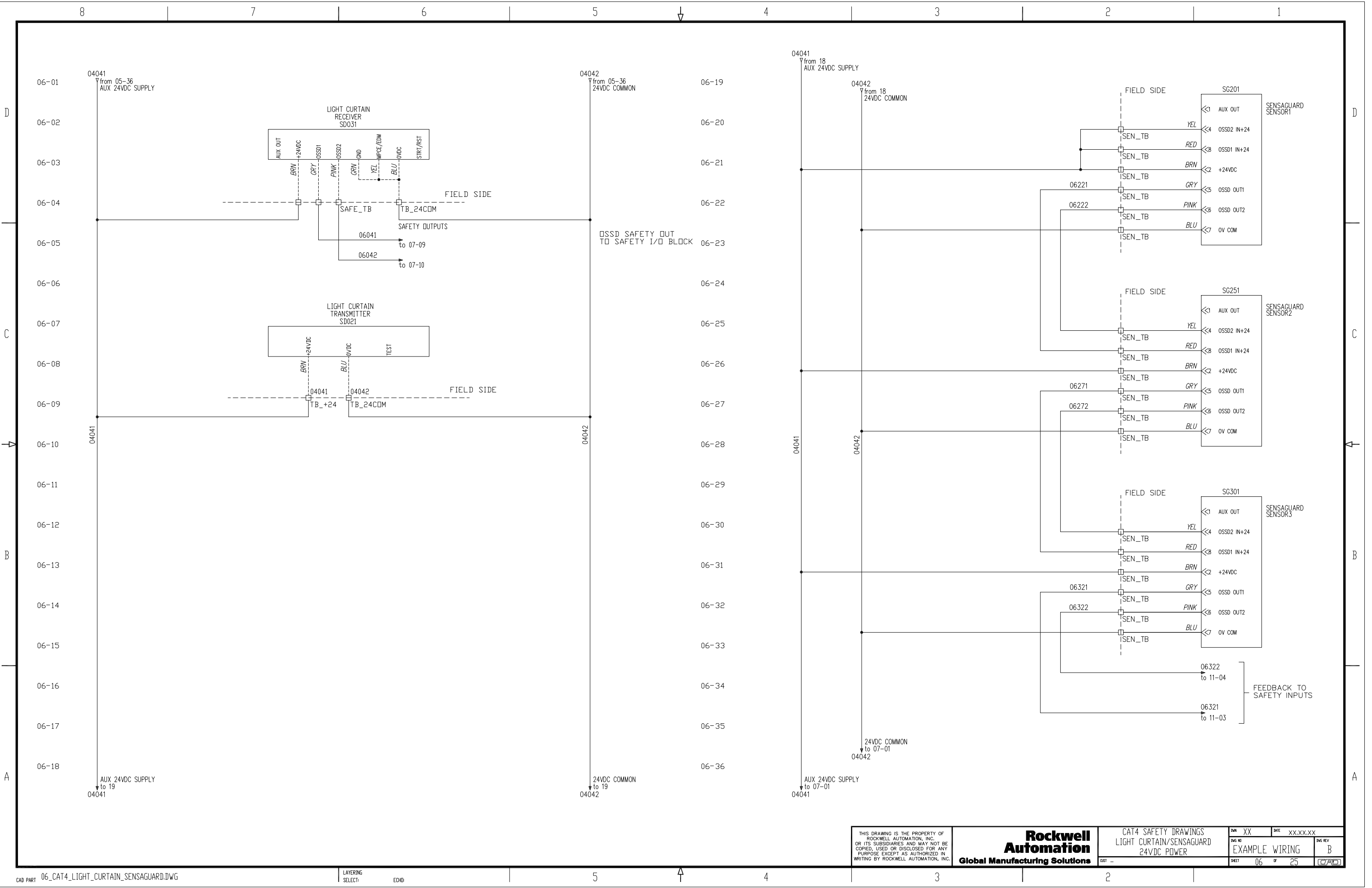


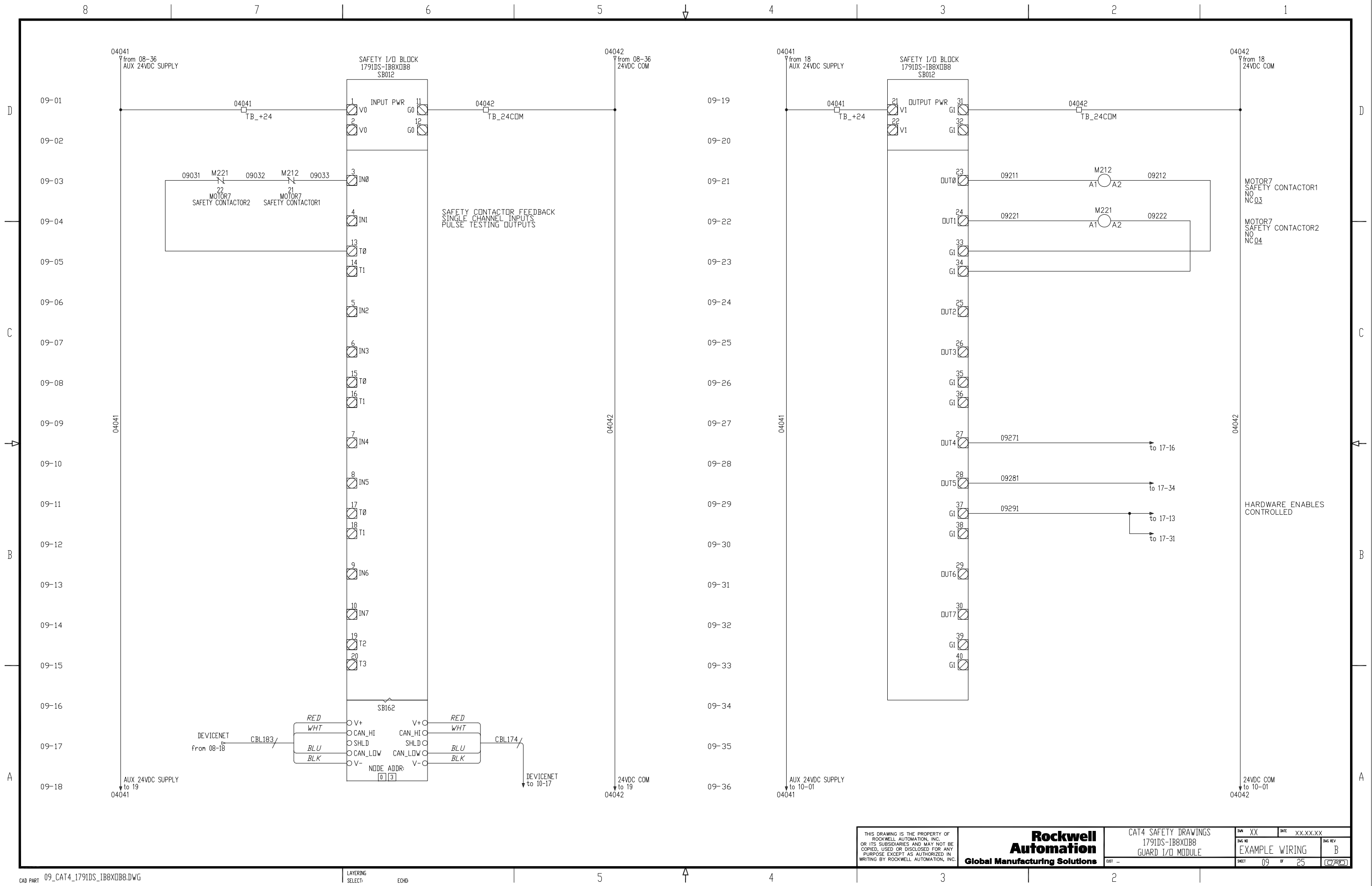


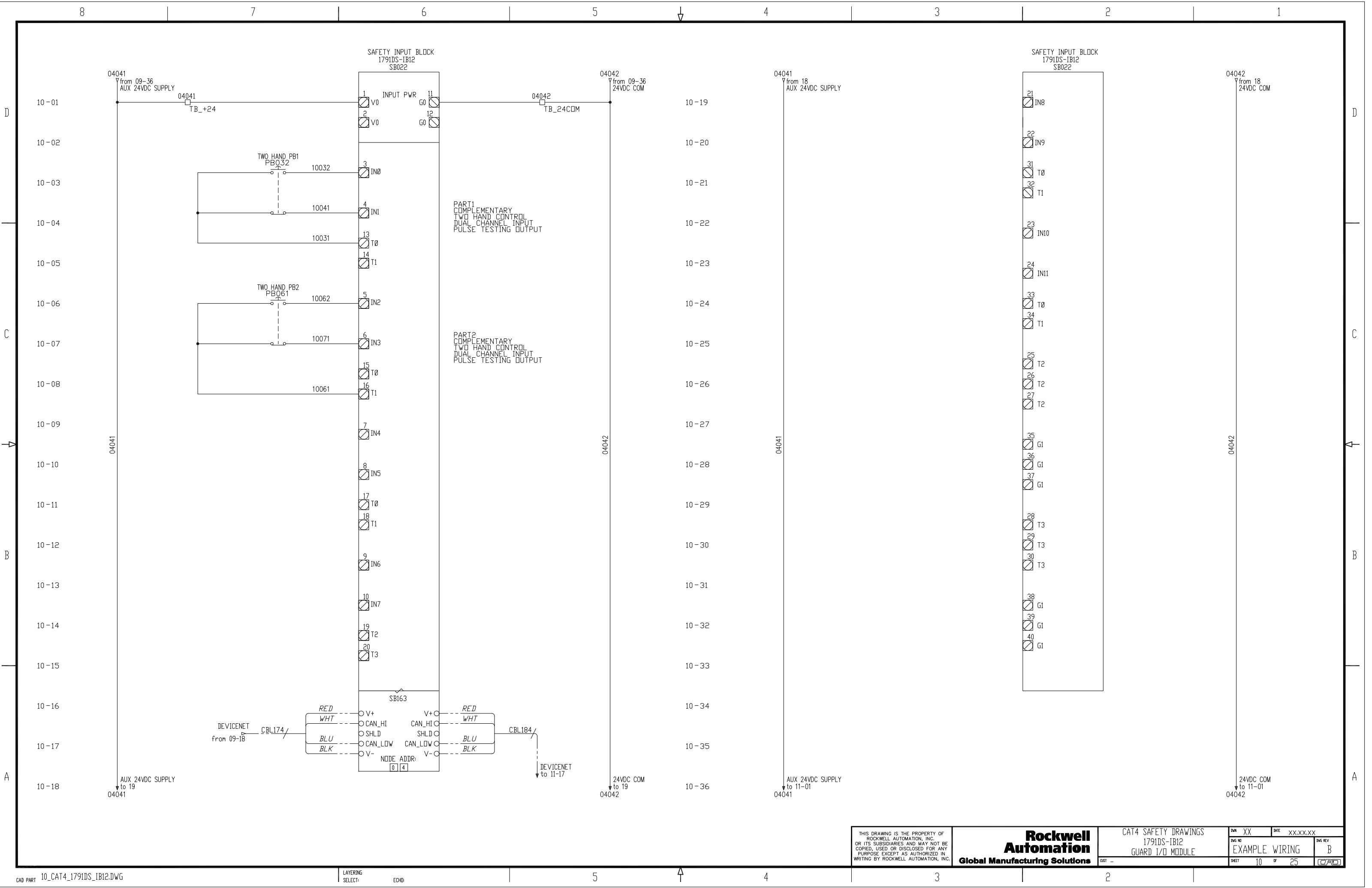


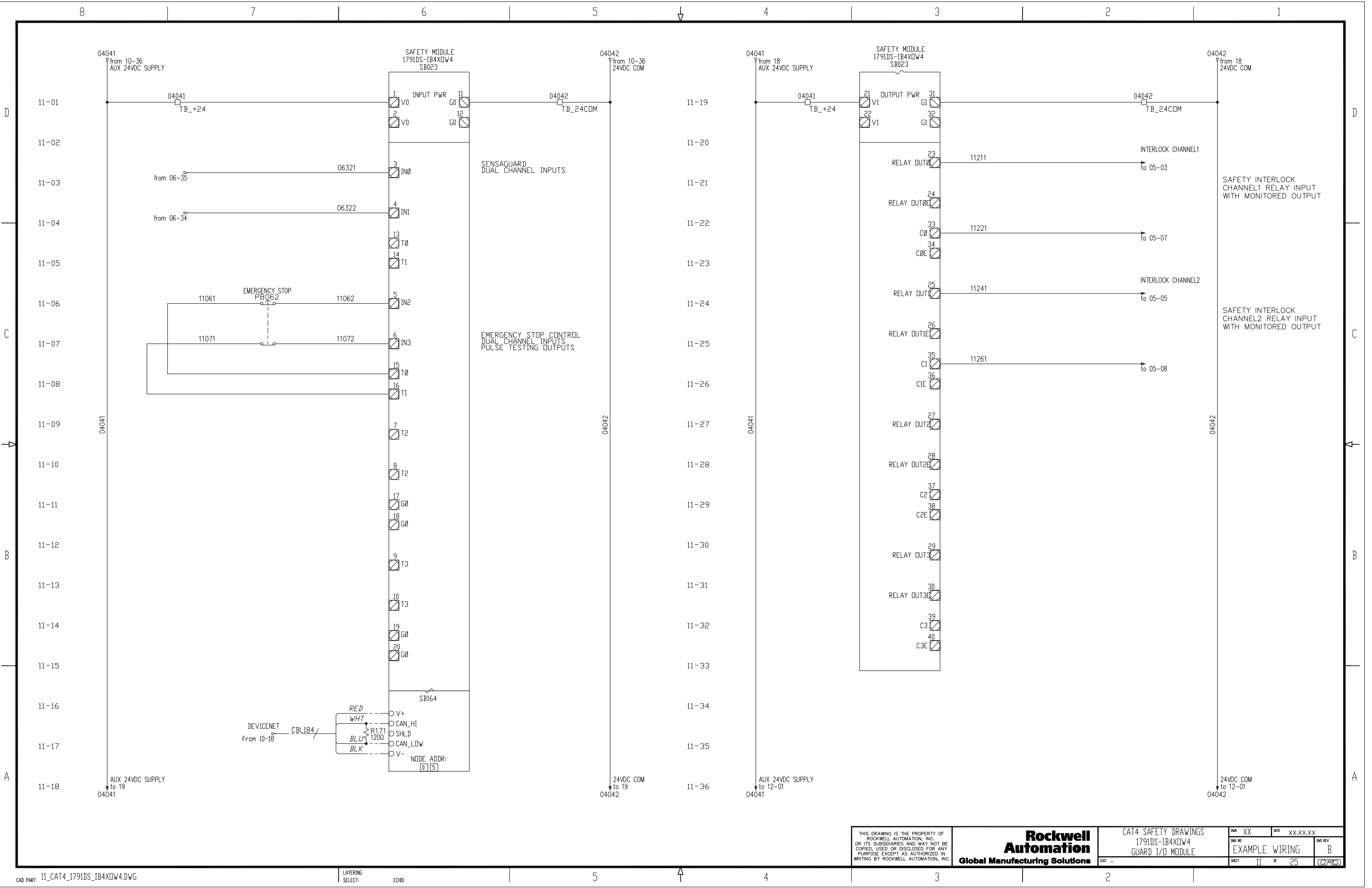


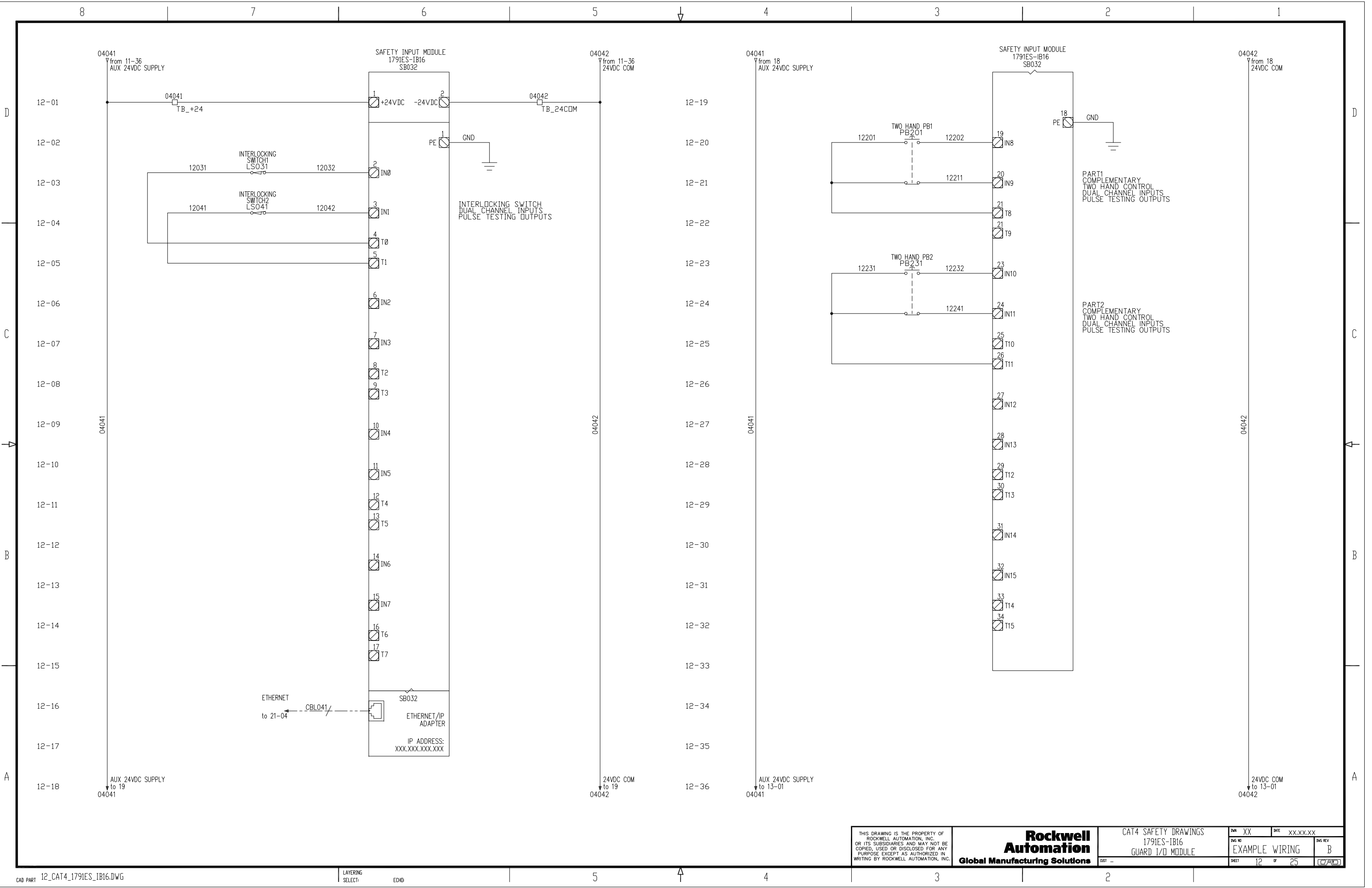


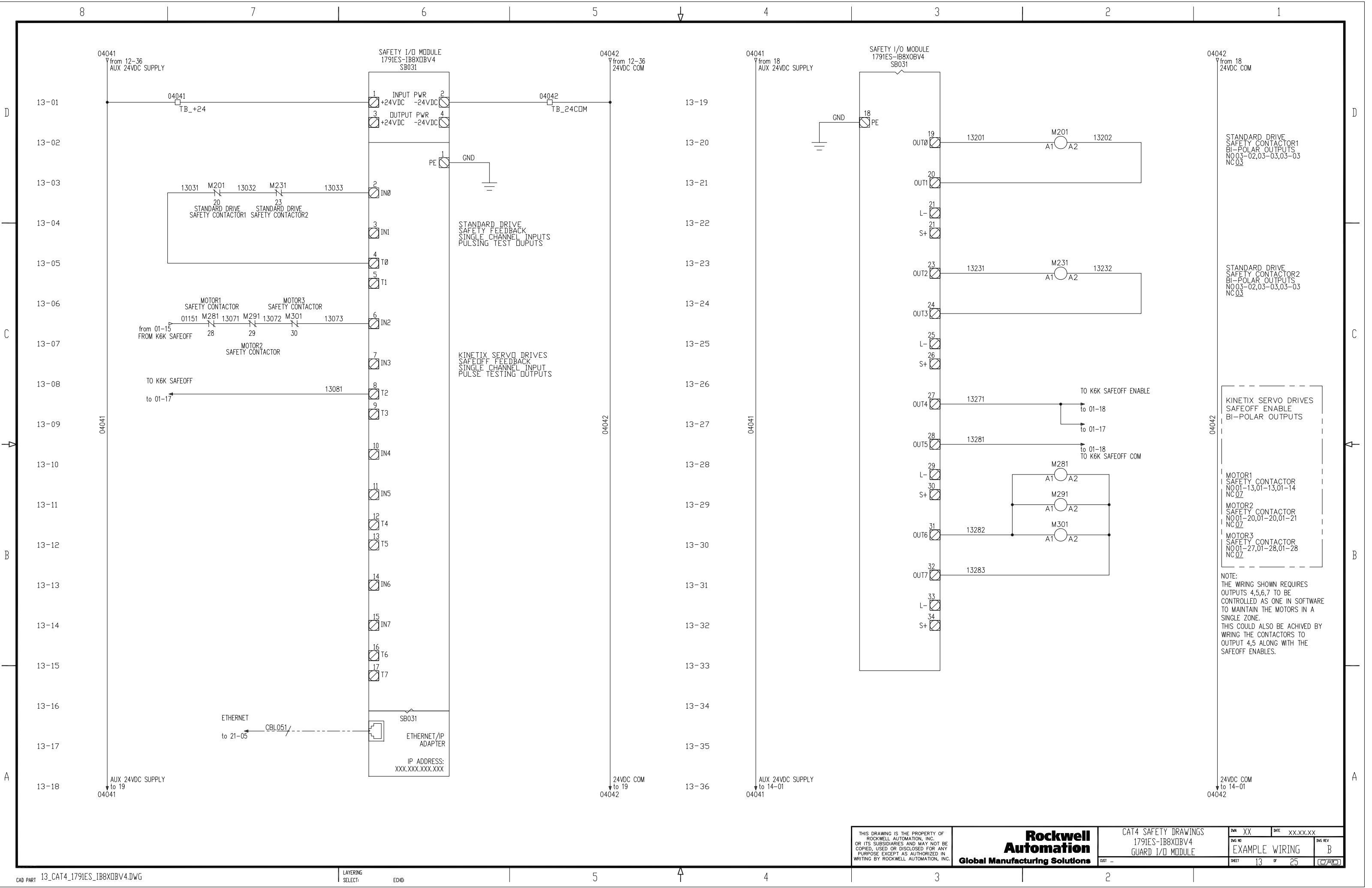


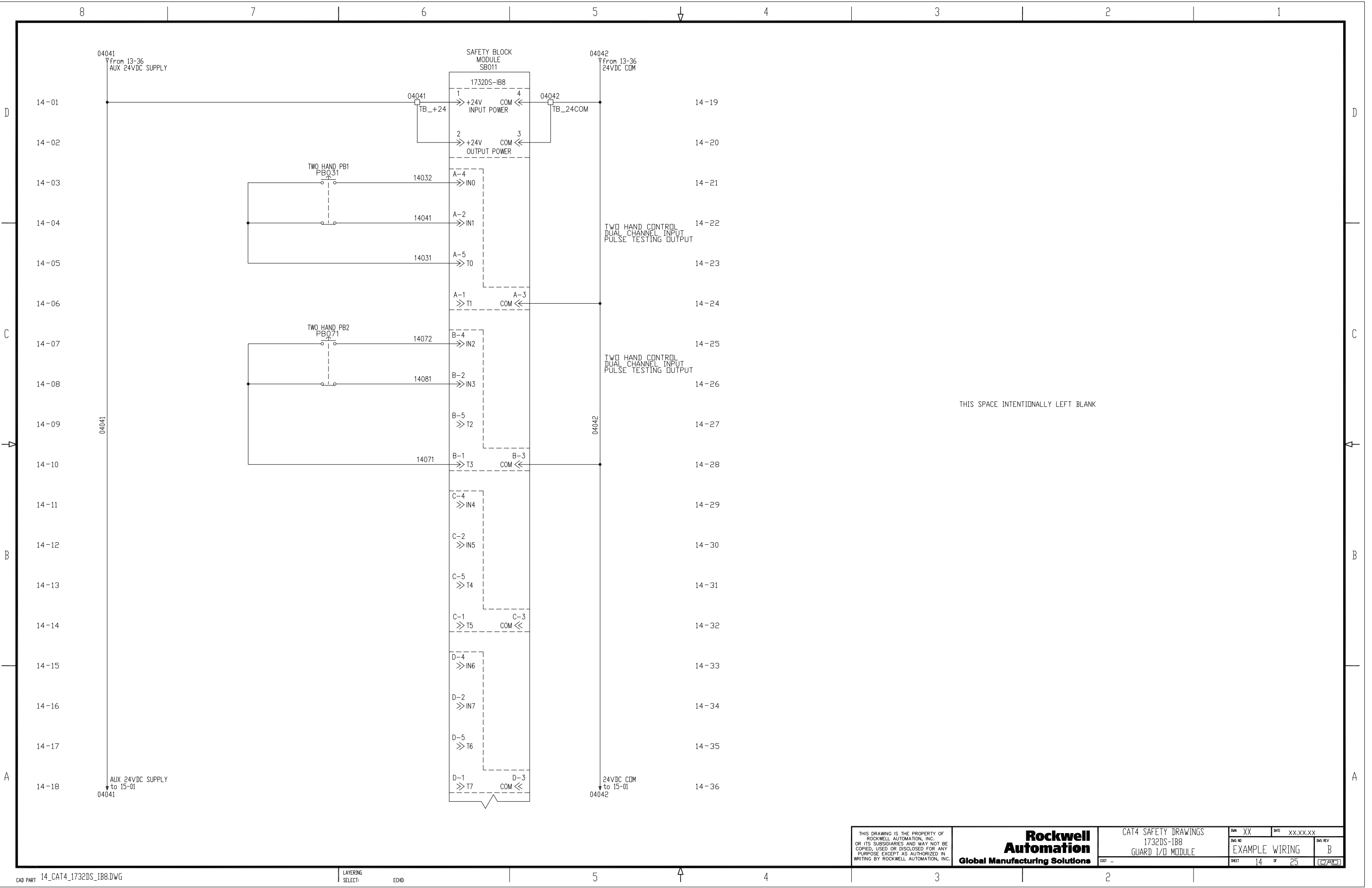


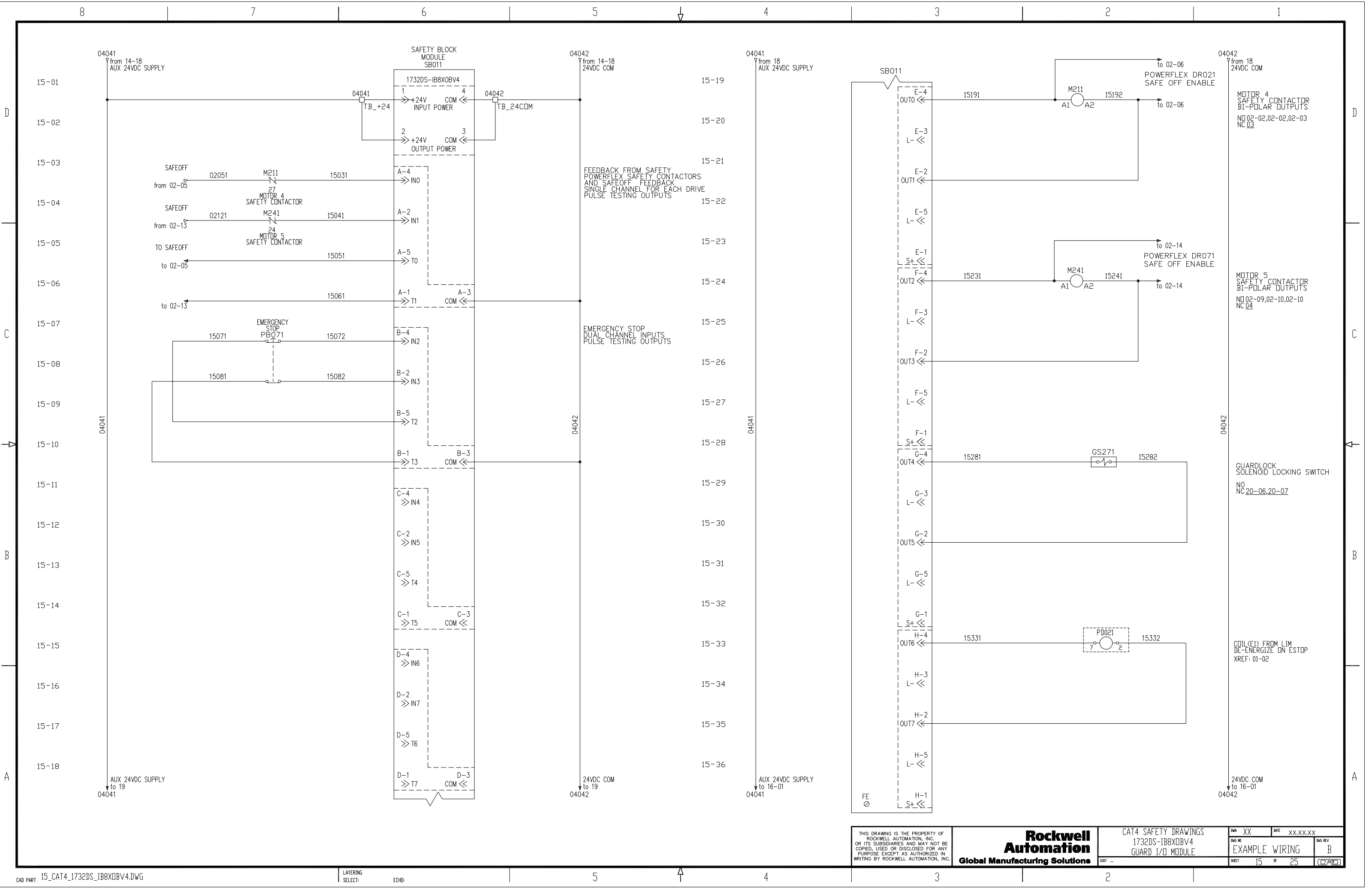


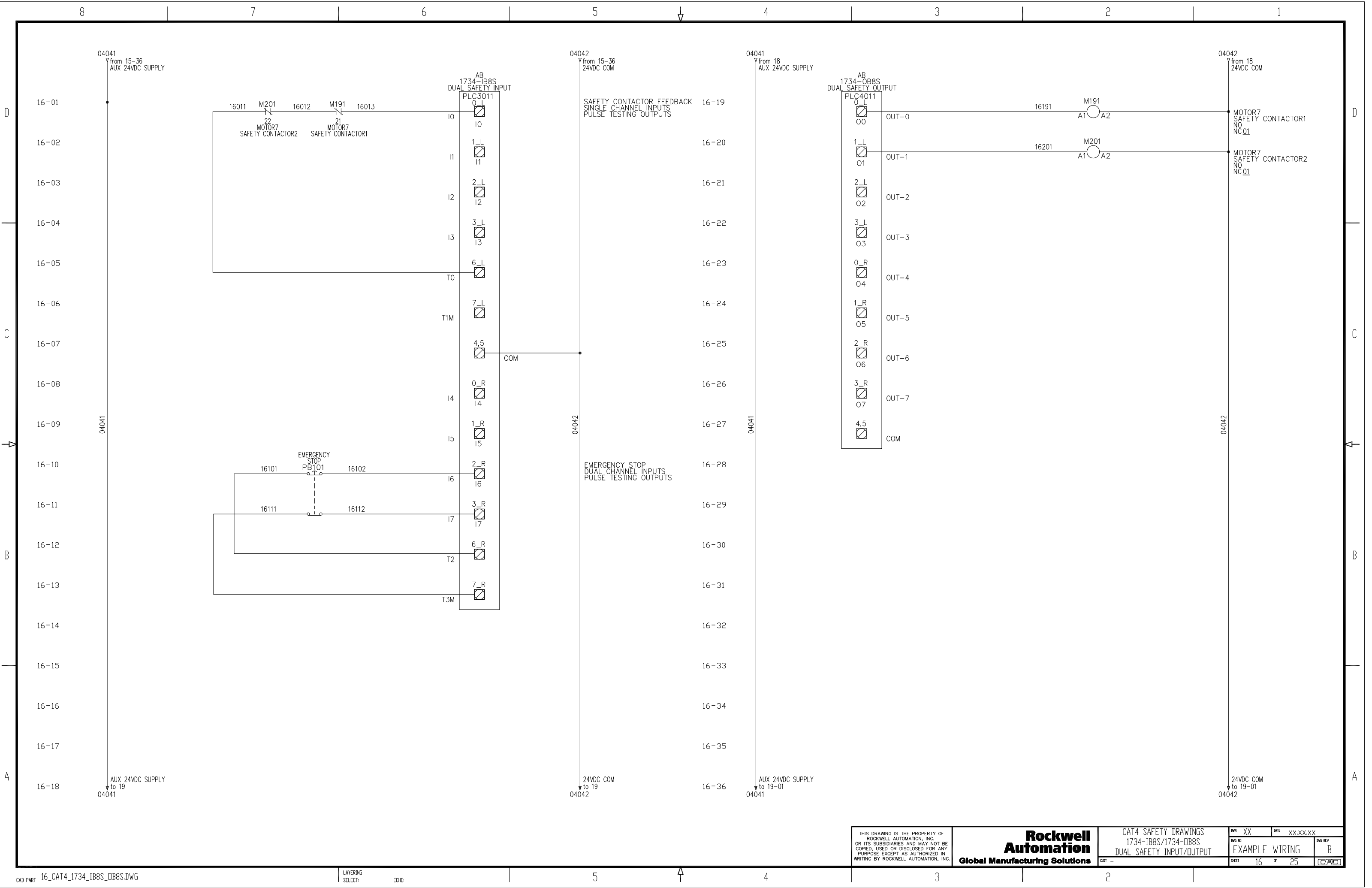


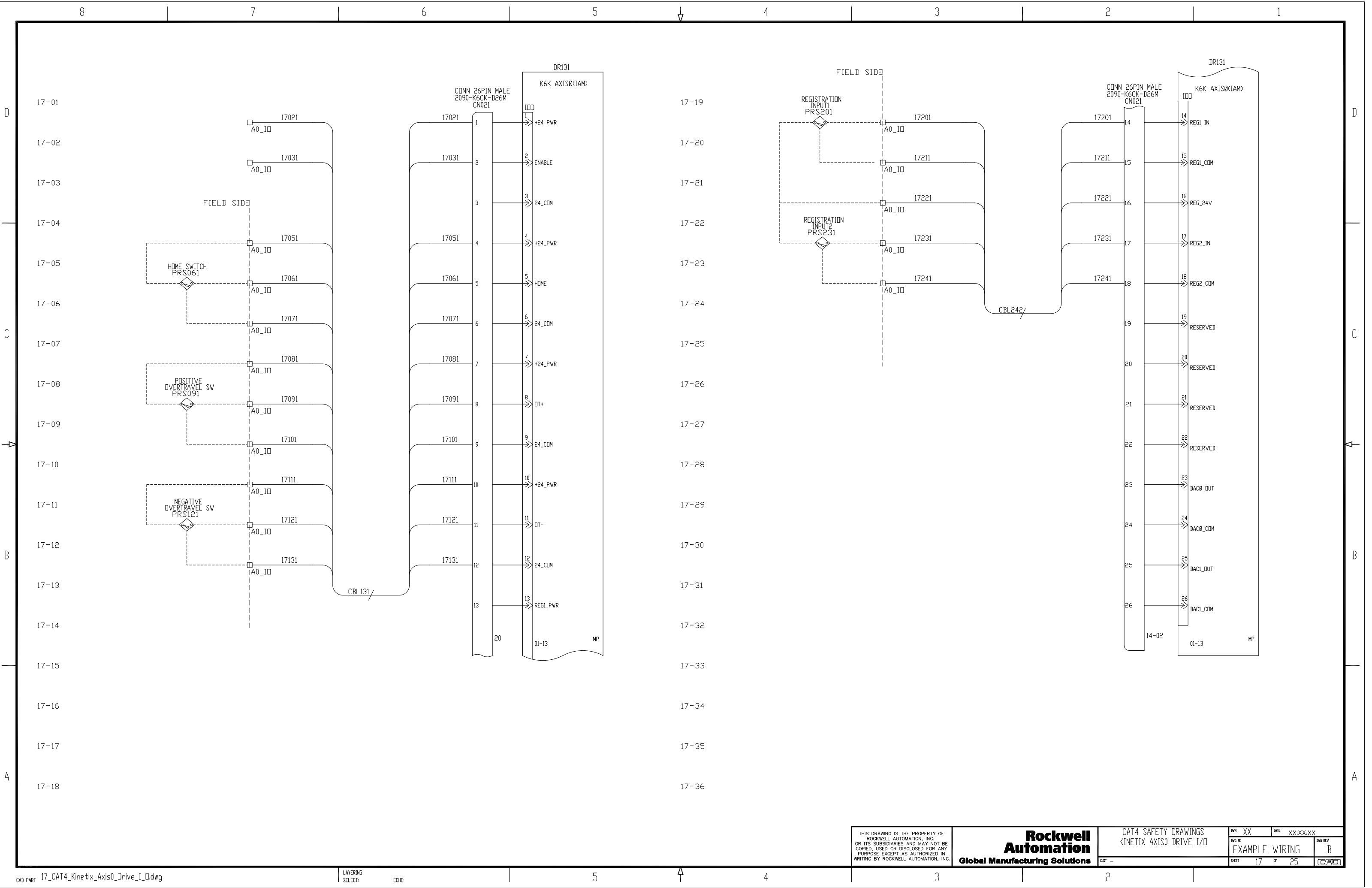


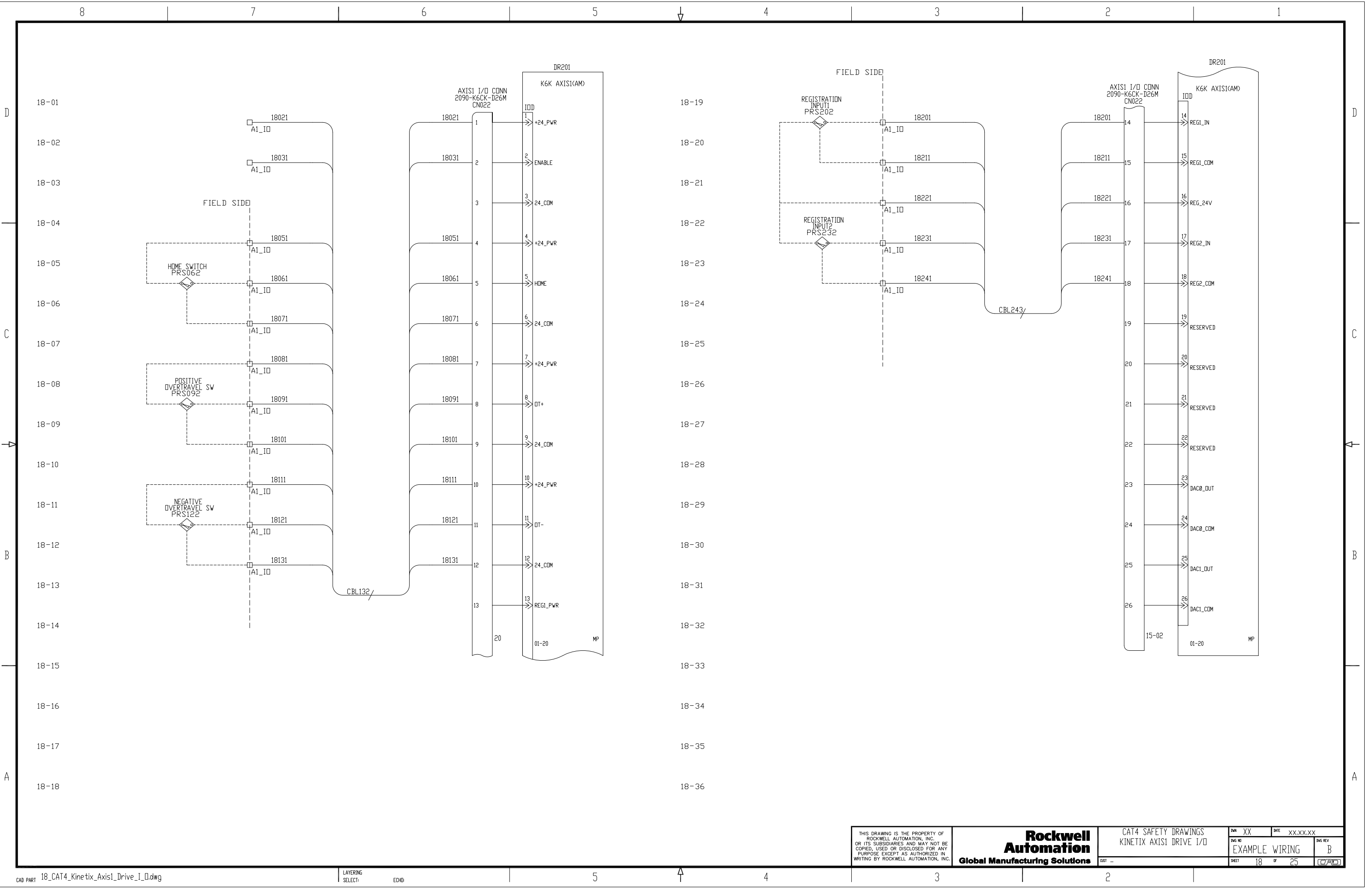












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Global Manufacturing Solutions

CAT4 SAFETY DRAWINGS
KINETIX AXIS1 DRIVE I/O

DWG NO

EXAMPLE WIRING

SHEET

18

OF

25

DWG REV

B

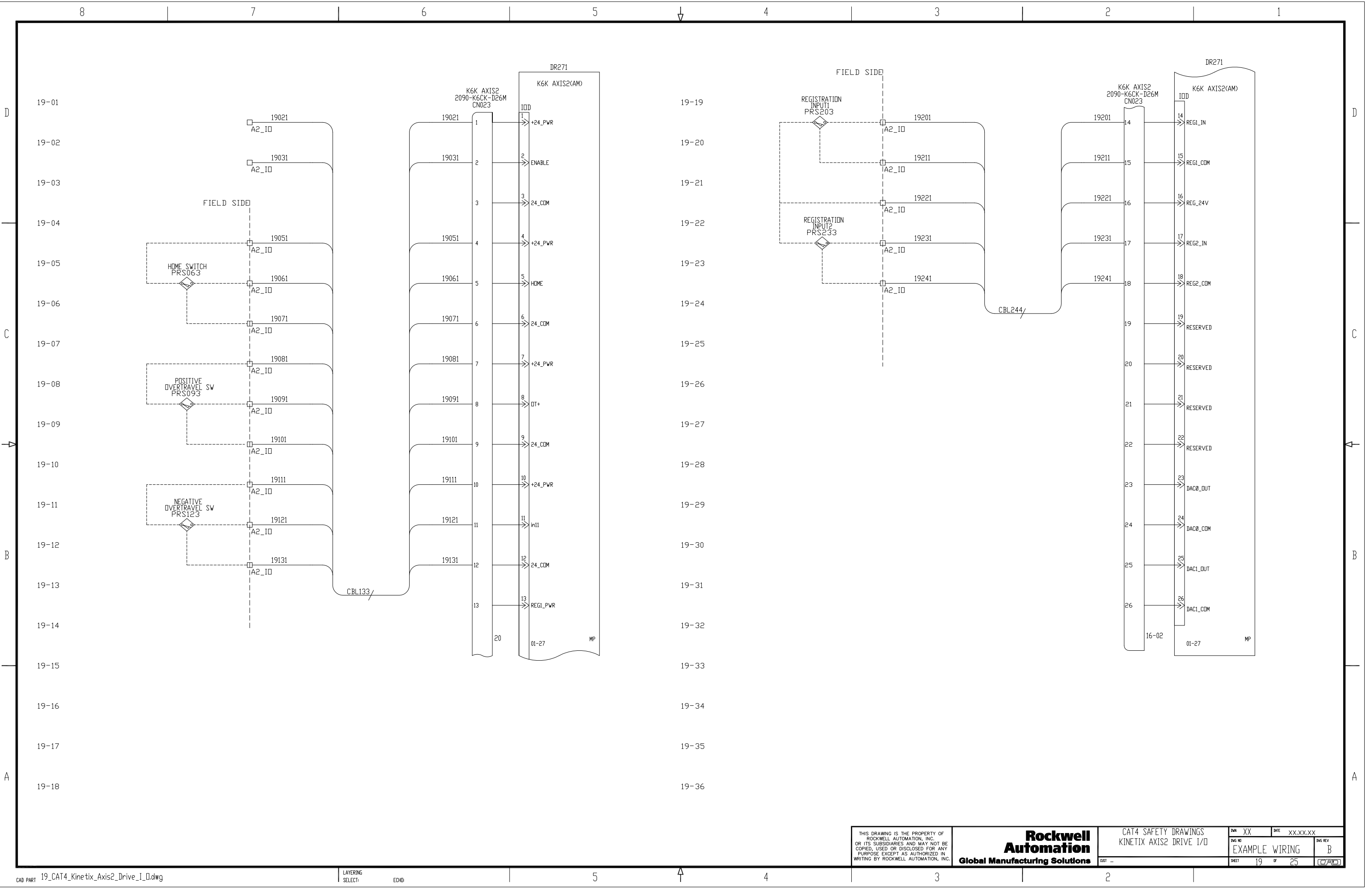
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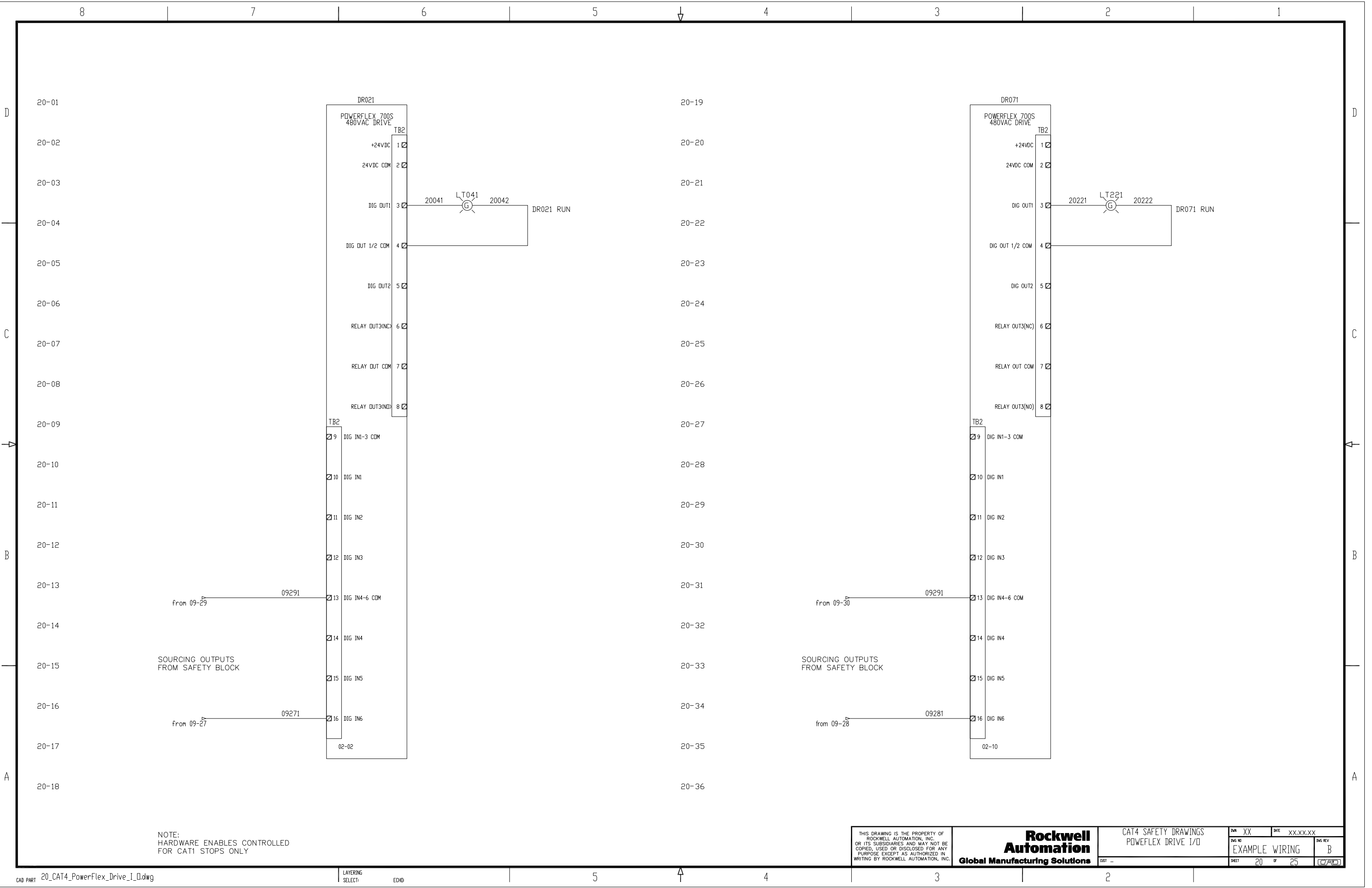
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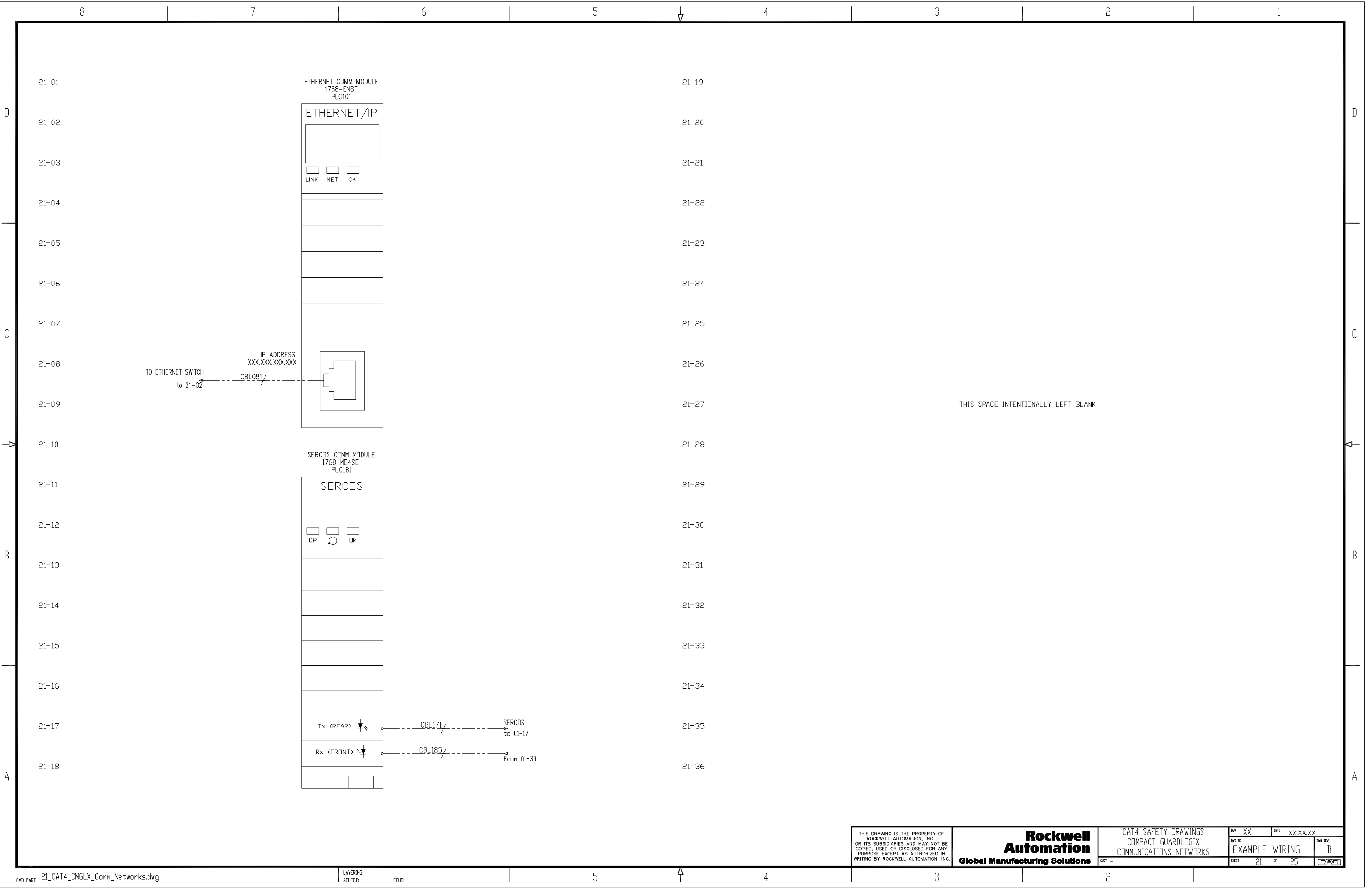
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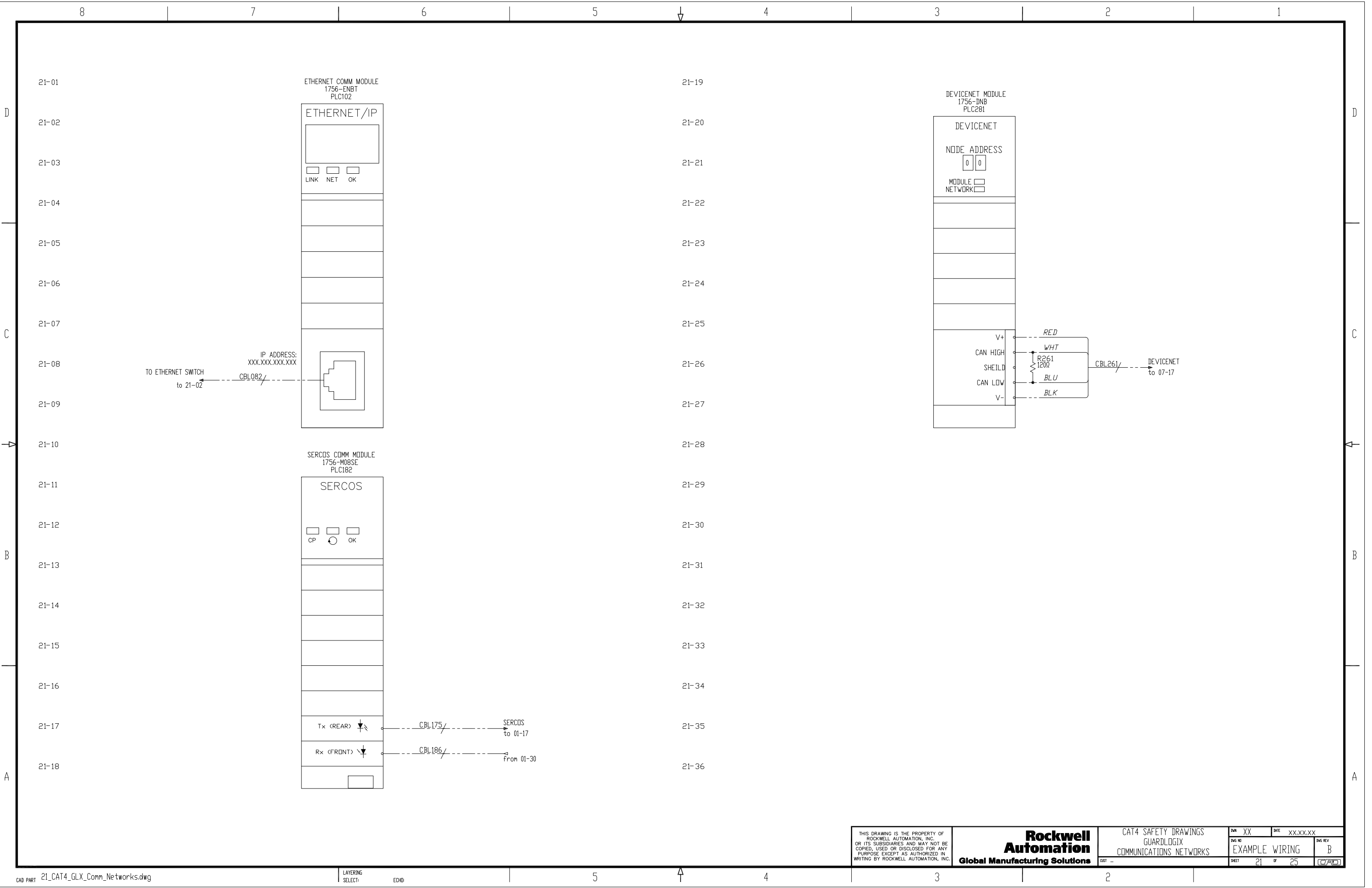
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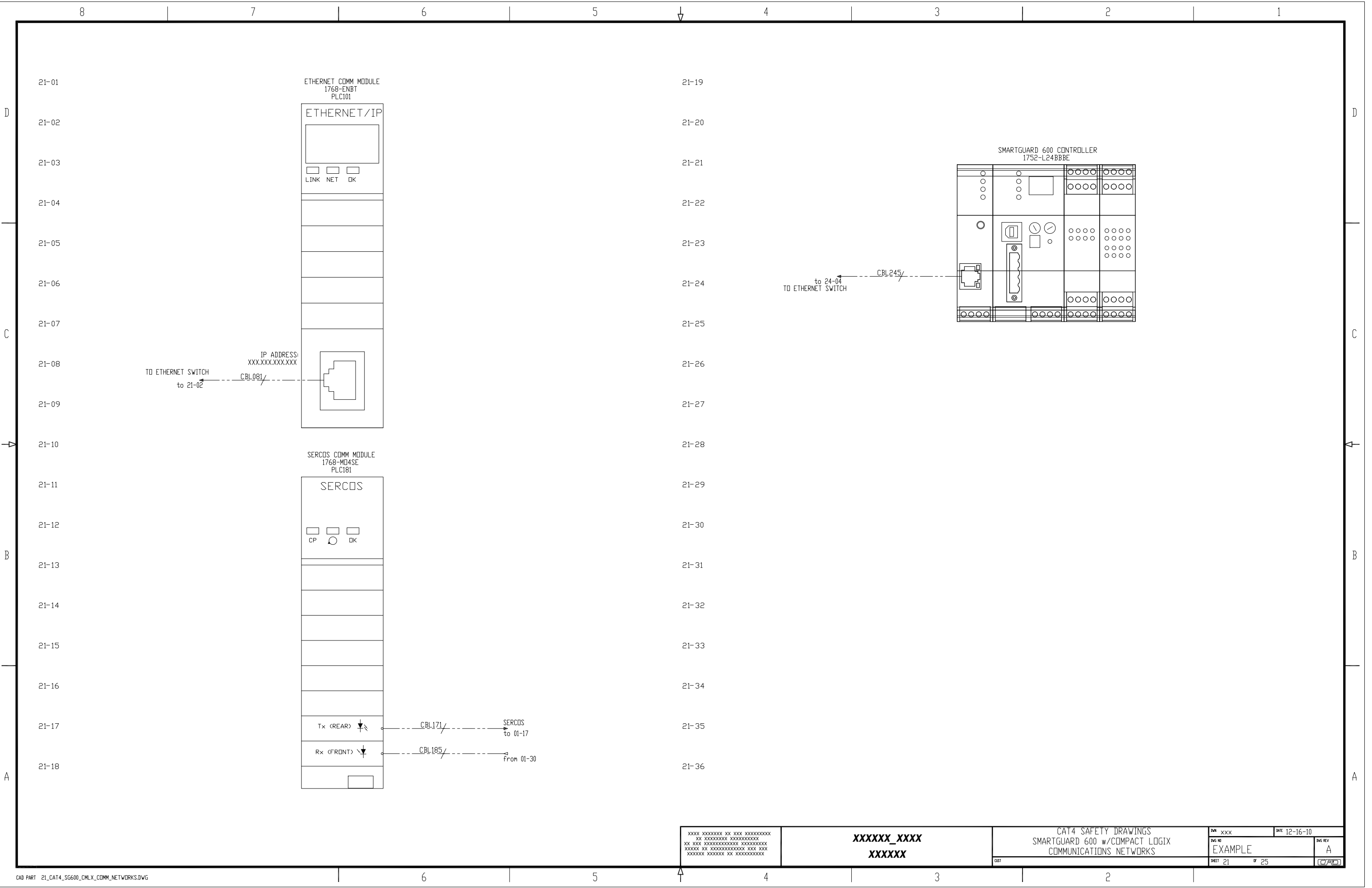
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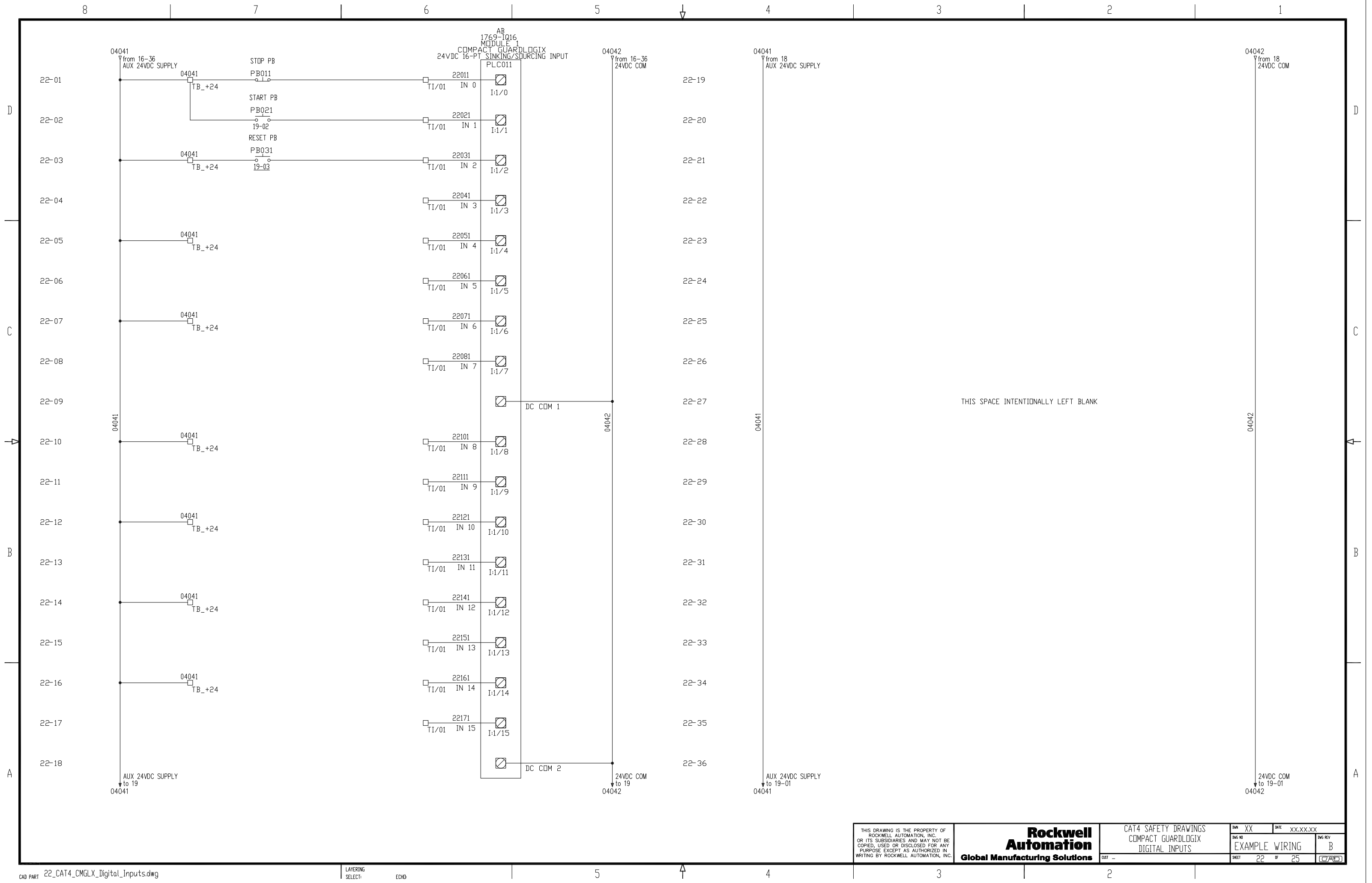


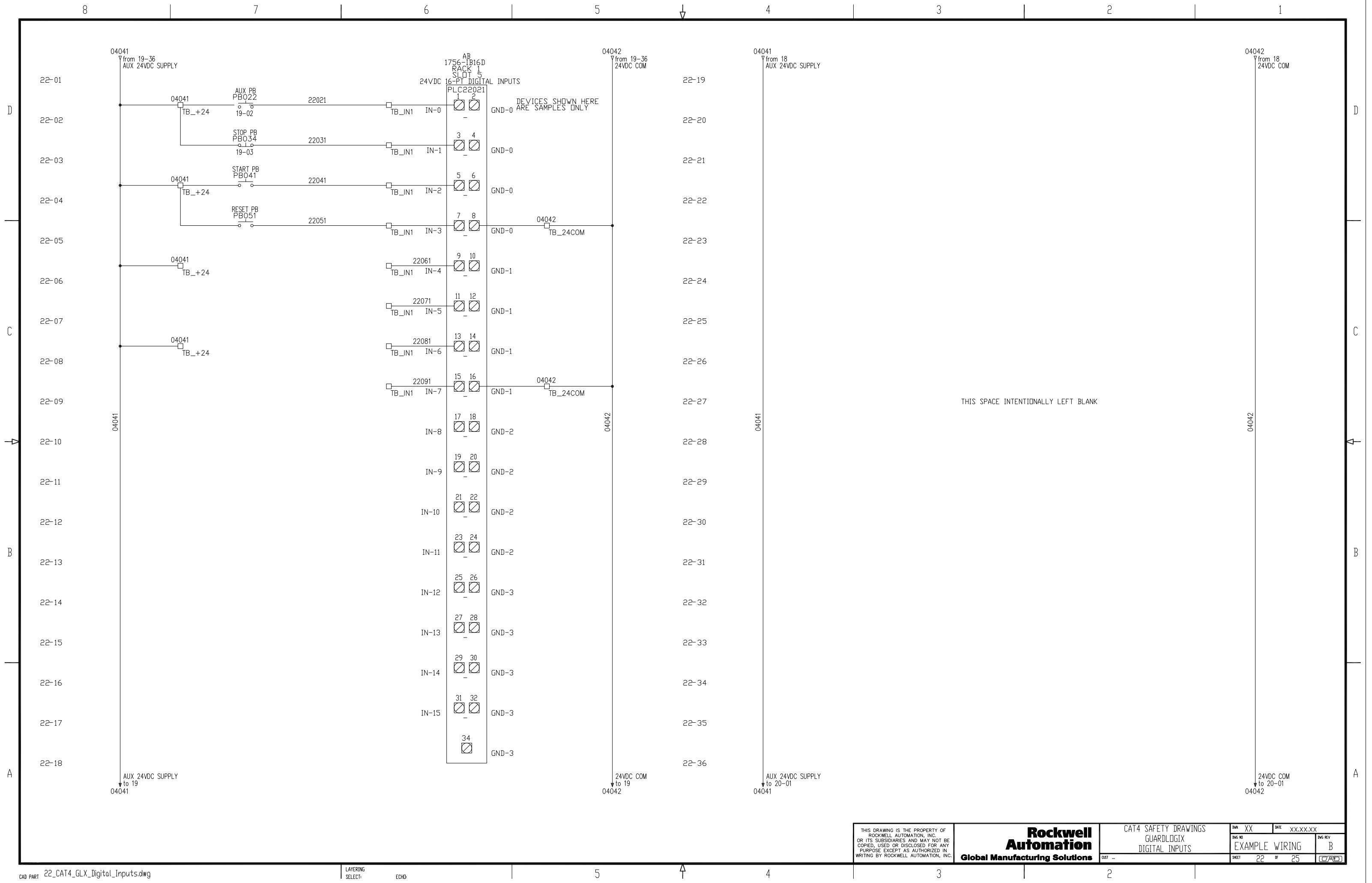


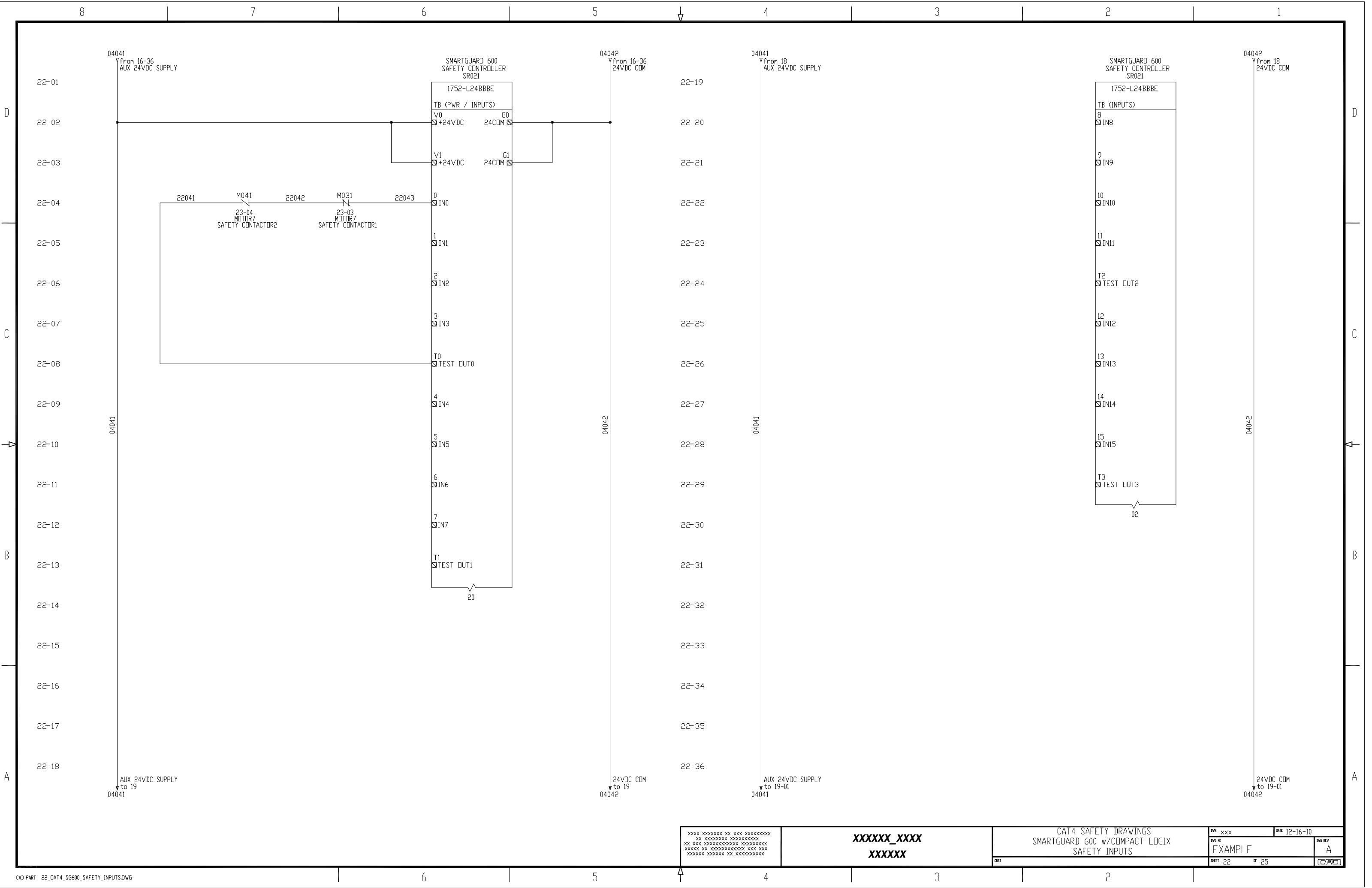


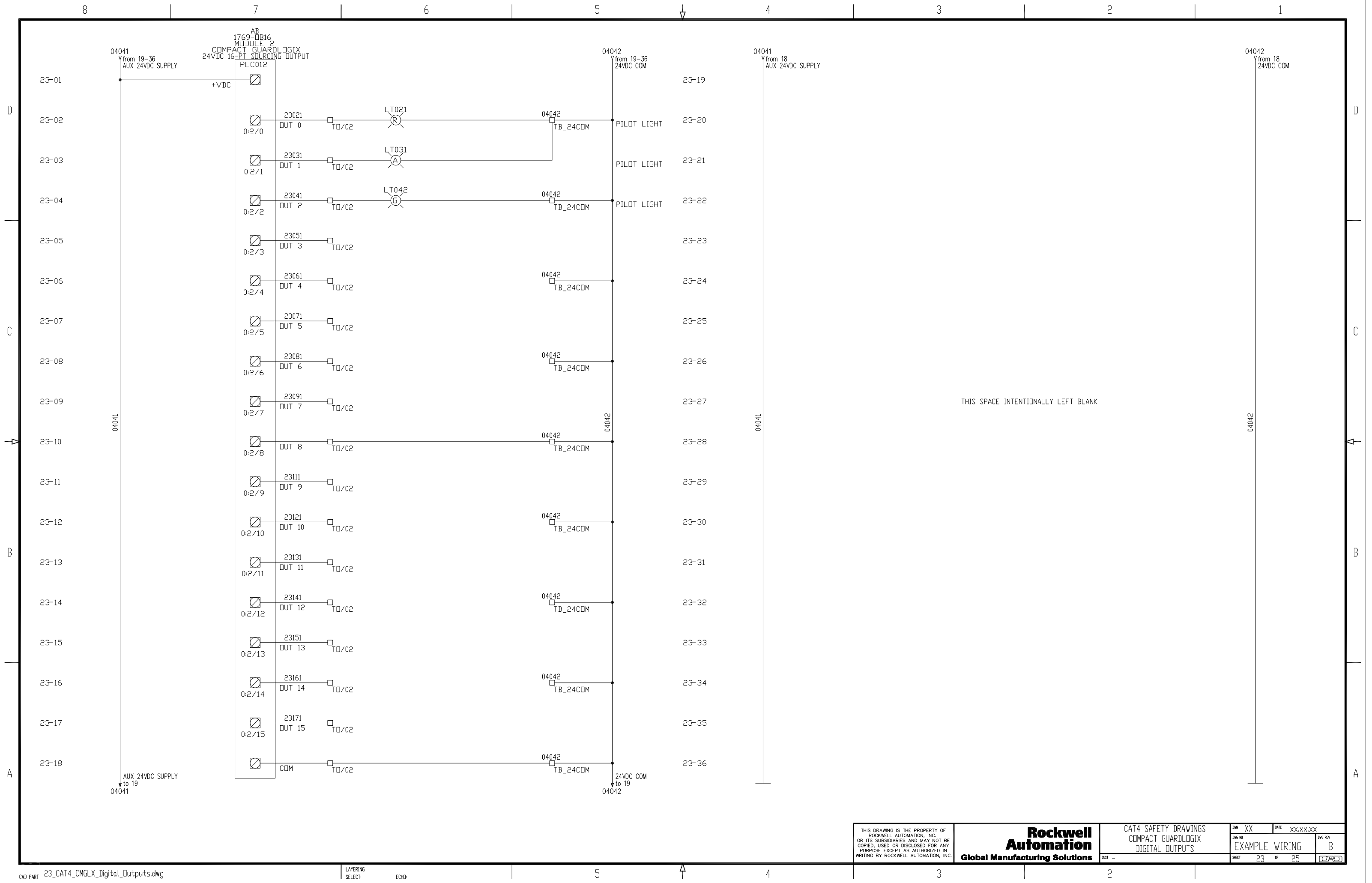


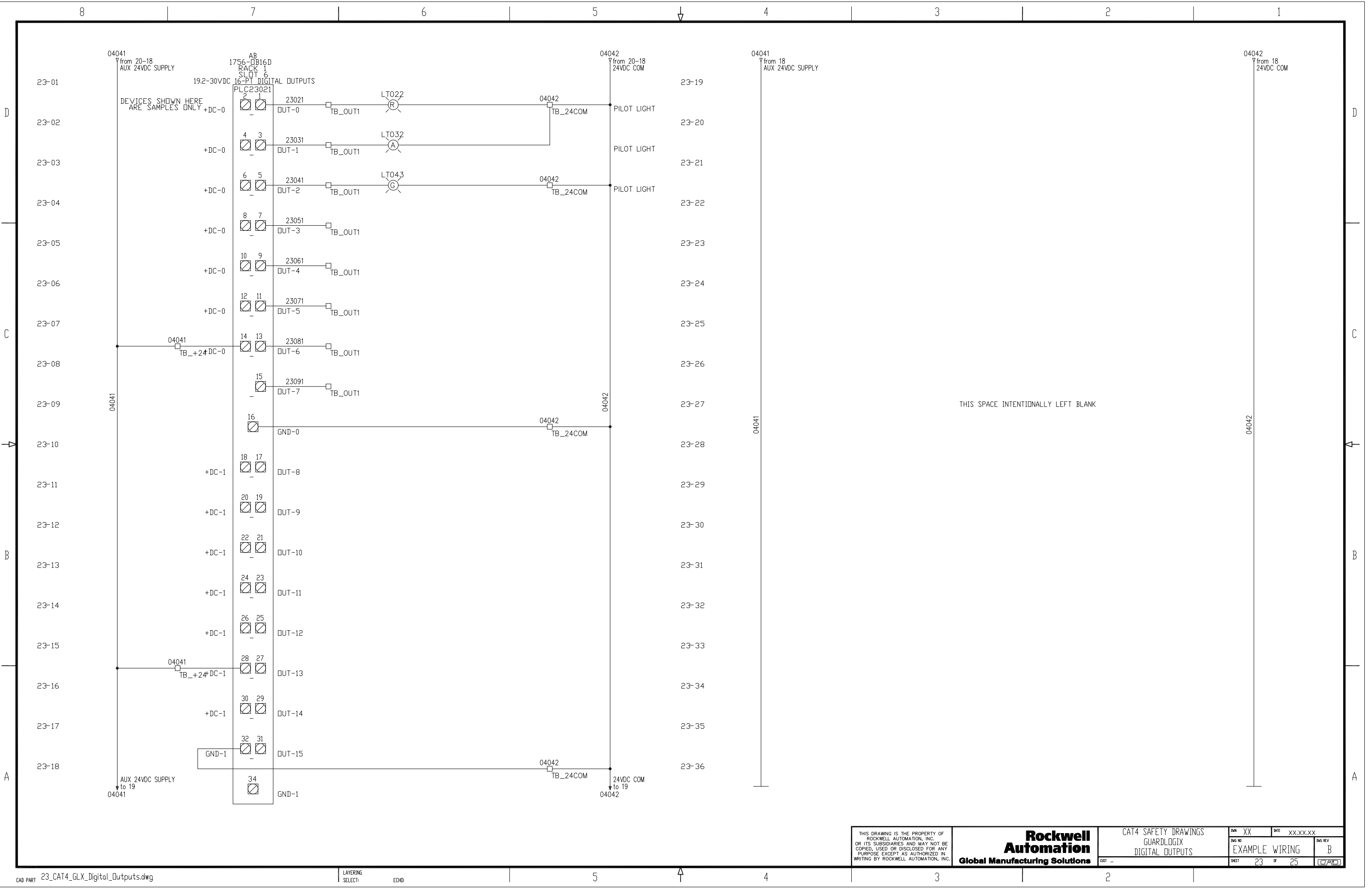


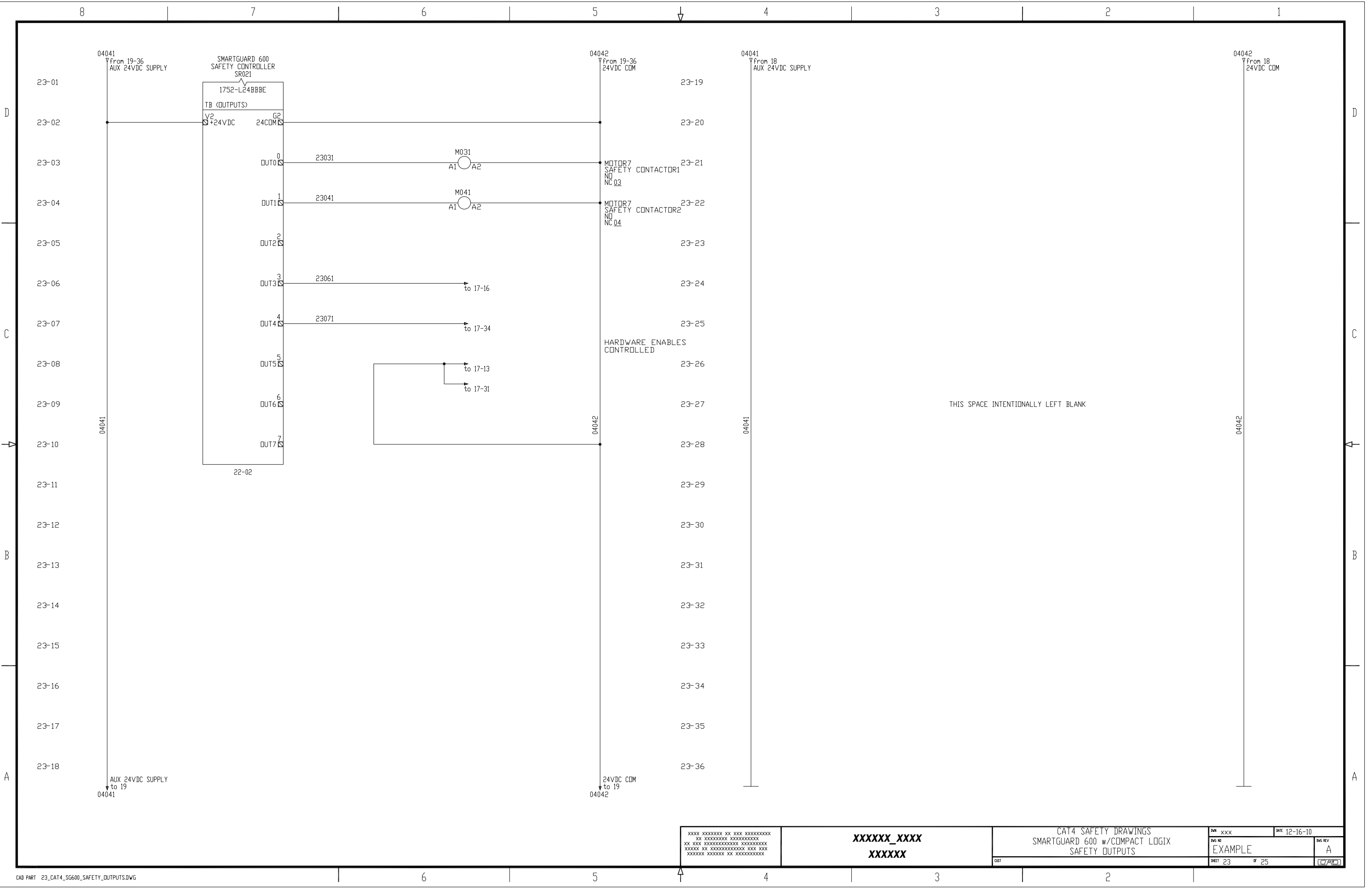


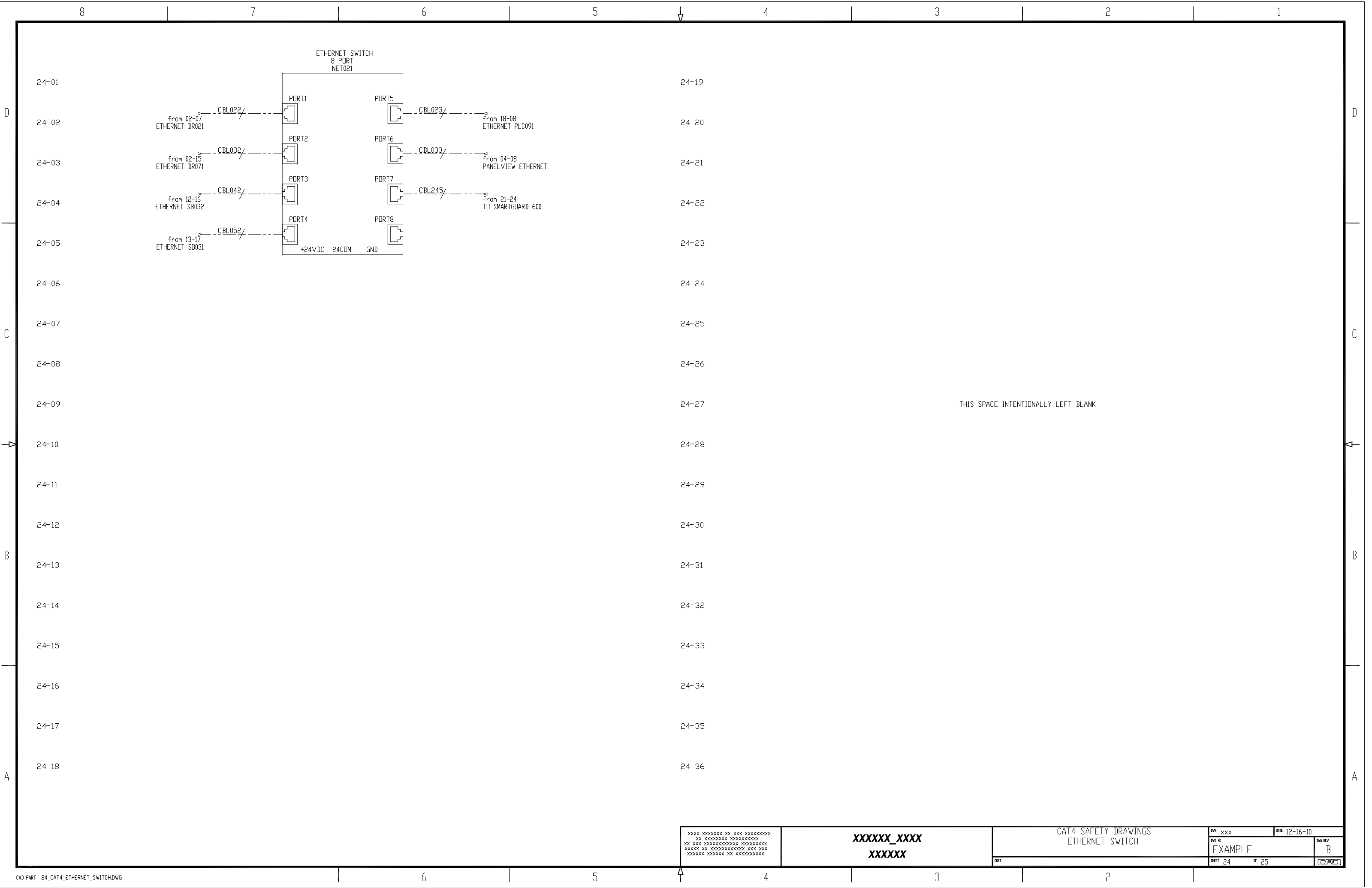


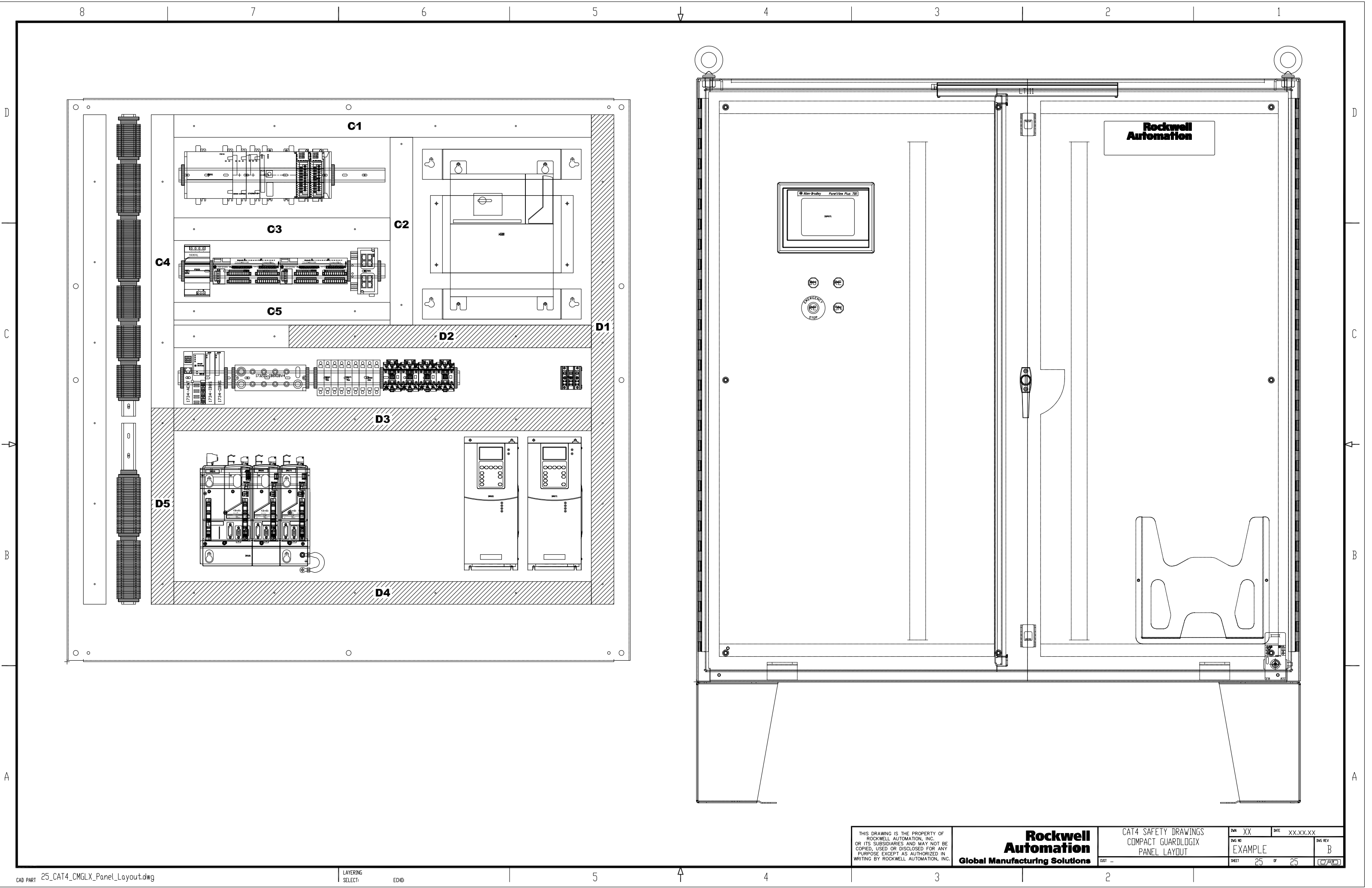


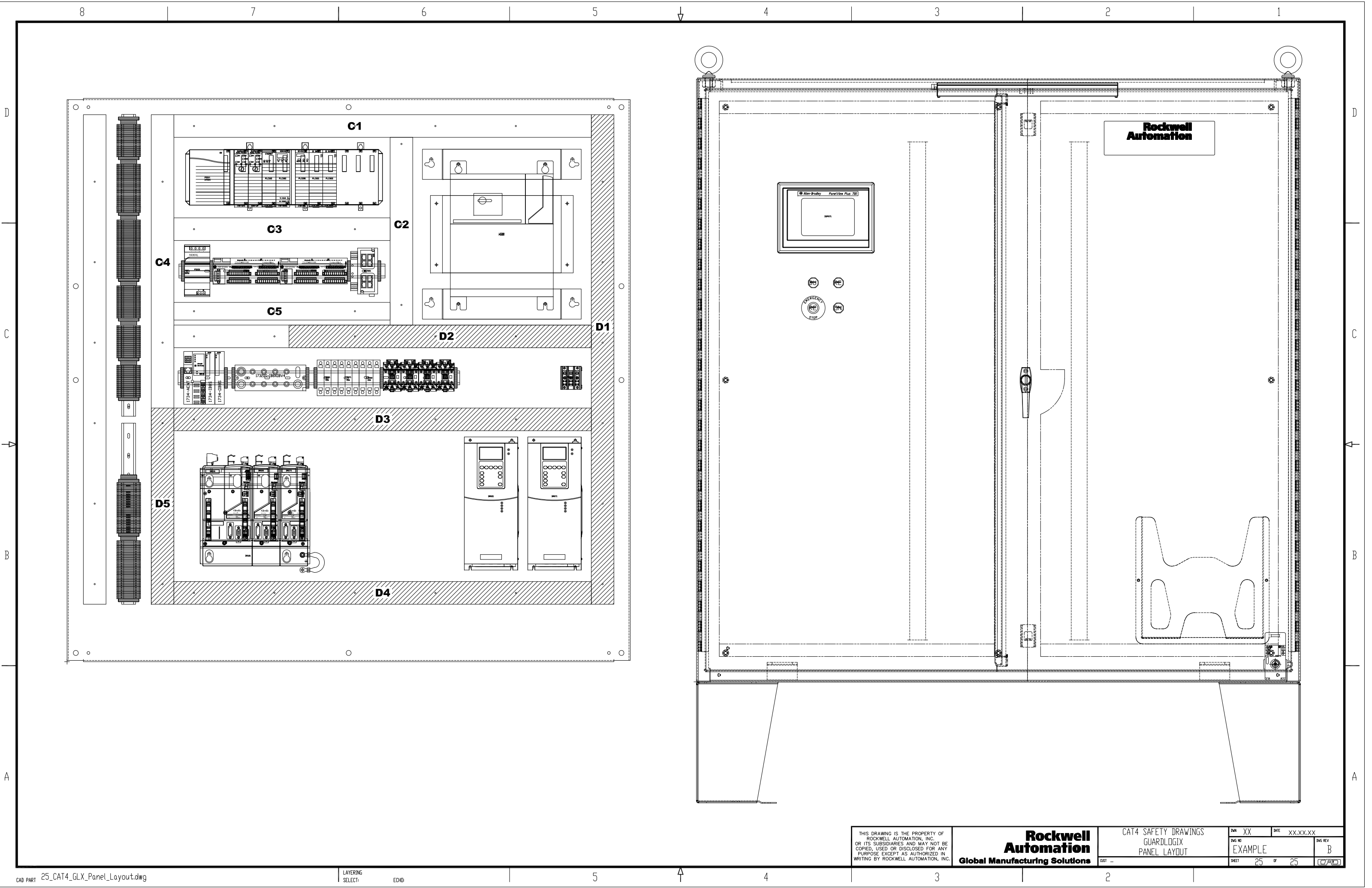












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CAT4 SAFETY DRAWINGS
GUARDLOGIX
PANEL LAYOUT

DWG NO	XX	DATE	XX.XX.XX
DWG REV	EXAMPLE	DWG REV	B
SHEET	25	OF	25
			CAD

