

Rockwell Automation

Global Manufacturing Solutions

CAT3 Safety Drawings List			
FILENAME	DESCRIPTION	SHEET	FILEDATE
00_CAT3_Title_Sheet	TITLE SHEET	00	3/3/2010
01_CAT3_Kinetix_Drive_w_Bipolar_Outputs	KINETIX 6000 DRIVES	01	3/3/2010
02_CAT3_PowerFlex_Drive_w_Bipolar_Outputs	POWERFLEX DRIVES	02	3/3/2010
03_CAT3_Standard_Drive_w_Bipolar_Outputs	STANDARD DRIVE	03	3/3/2010
04_CAT3_GLX_120VAC_Power	GUARDLOGIX POWER DISTRIBUTION	04	3/3/2010
04_CAT3_CMGLX_120VAC_Power	COMPACT GUARDLOGIX POWER DISTRIBUTION	04	3/3/2010
04_CAT3_SG600_CMLX_120VAC_Power	SMARTGUARD 600 w/COMPACT LOGIX POWER DISTRIBUTION	04	12/17/2010
05_CAT3_Monitored_Safety_Relay	MONITORED SAFETY RELAY	05	3/3/2010
06_CAT3_Light_Curtain_SensaGuard	LIGHT CURTAIN/SENSAGUARD	06	3/3/2010
07_CAT3_1791DS_IB16	1791DS-IB16	07	3/3/2010
08_CAT3_1791DS_IB8XDBV4	1791DS-IB8XDBV4	08	3/3/2010
09_CAT3_1791DS_IB8XDB8	1791DS-IB8XDB8	09	3/3/2010
10_CAT3_1791DS_IB12	1791DS-IB12	10	3/3/2010
11_CAT3_1791DS_IB4XDW4	1791DS-IB4XDW4	11	3/3/2010
12_CAT3_1791ES_IB16	1791ES-IB16	12	3/3/2010
13_CAT3_1791ES_IB8XDBV4	1791ES-IB8XDBV4	13	3/3/2010
14_CAT3_Kinetix_Axis0_Drive_I/O	KINETIX AXIS0 DRIVE I/O	14	3/3/2010
15_CAT3_Kinetix_Axis1_Drive_I/O	KINETIX AXIS1 DRIVE I/O	15	3/3/2010
16_CAT3_Kinetix_Axis2_Drive_I/O	KINETIX AXIS2 DRIVE I/O	16	3/3/2010
17_CAT3_PowerFlex_Drive_I/O	POWEFLEX DRIVE I/O	17	3/3/2010
18_CAT3_GLX_Comm_Networks	GUARDLOGIX COMMUNICATIONS NETWORKS	18	3/3/2010
18_CAT3_CMGLX_Comm_Networks	COMPACT GUARDLOGIX COMMUNICATIONS NETWORKS	18	3/3/2010
18_CAT3_SG600_CMLX_Comm_Networks	SMARTGUARD 600 w/COMPACT LOGIX COMMUNICATIONS NETWORKS	18	12/17/2010
19_CAT3_GLX_Digital_Inputs	GUARDLOGIX DIGITAL INPUTS	19	3/3/2010
19_CAT3_CMGLX_Digital_Inputs	COMPACT GUARDLOGIX DIGITAL INPUTS	19	3/3/2010
19_CAT3_SG600_CMLX_Safety_Inputs	SMARTGUARD 600 w/COMPACT LOGIX SAFETY INPUTS	19	12/17/2010
20_CAT3_GLX_Digital_Outputs	GUARDLOGIX DIGITAL OUTPUTS	23	3/3/2010
20_CAT3_CMGLX_Digital_Outputs	COMPACT GUARDLOGIX DIGITAL OUTPUTS	23	3/3/2010
20_CAT3_SG600_CMLX_Safety_Outputs	SMARTGUARD 600 w/COMPACT LOGIX SAFETY OUTPUTS	23	12/17/2010
21_CAT3_Ethernet_Switch	ETHERNET SWITCH	21	12/17/2010
22_CAT3_GLX_Panel_Layout	GUARDLOGIX PANEL LAYOUT	22	3/3/2010
22_CAT3_CMGLX_Panel_Layout	COMPACT GUARDLOGIX PANEL LAYOUT	22	3/3/2010
22_CAT3_SG600_CMLX_Panel_Layout	SMARTGUARD 600 w/COMPACT LOGIX PANEL LAYOUT	22	12/17/2010

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

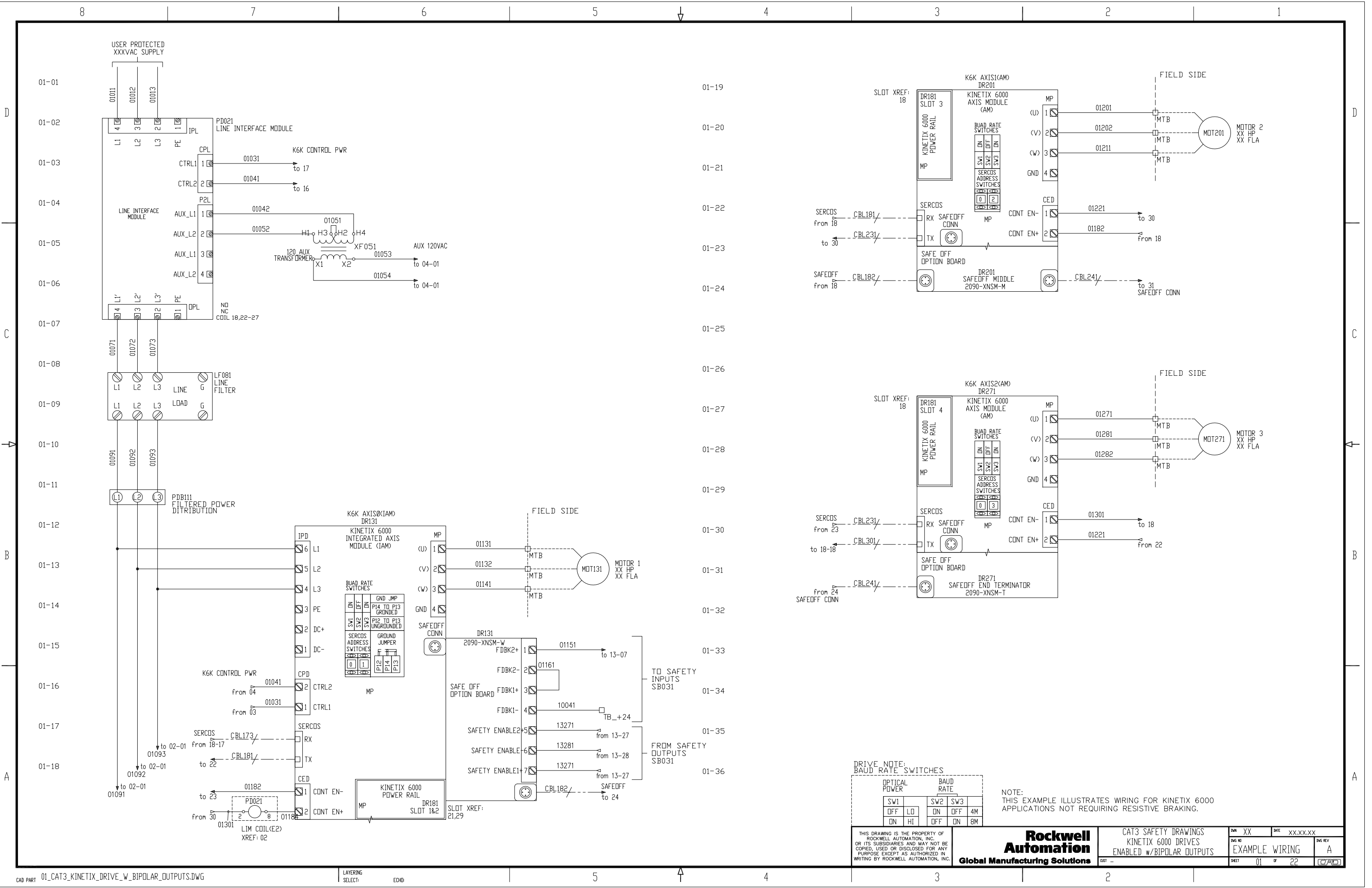
AIR:	80	PSI	??	SCFM
STEAM:	N/A	LBS/HR	??	
WATER:	N/A	GPM	??	
COOLANT:	N/A	PSI	??	GPM
GAS:	N/A	PSI	??	CFM
EXHAUST:	N/A	CFM	??	

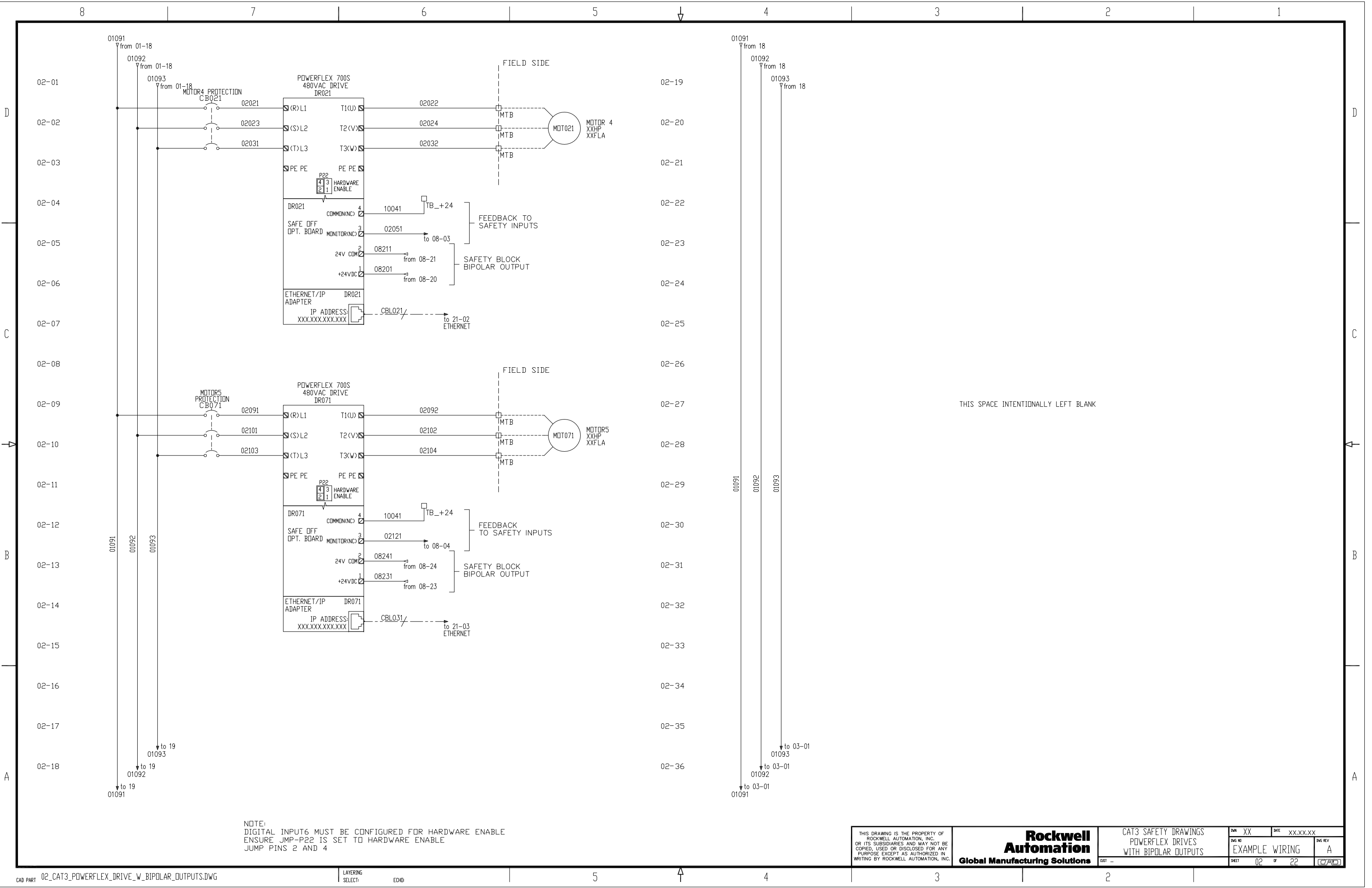
WIRING GUIDELINE

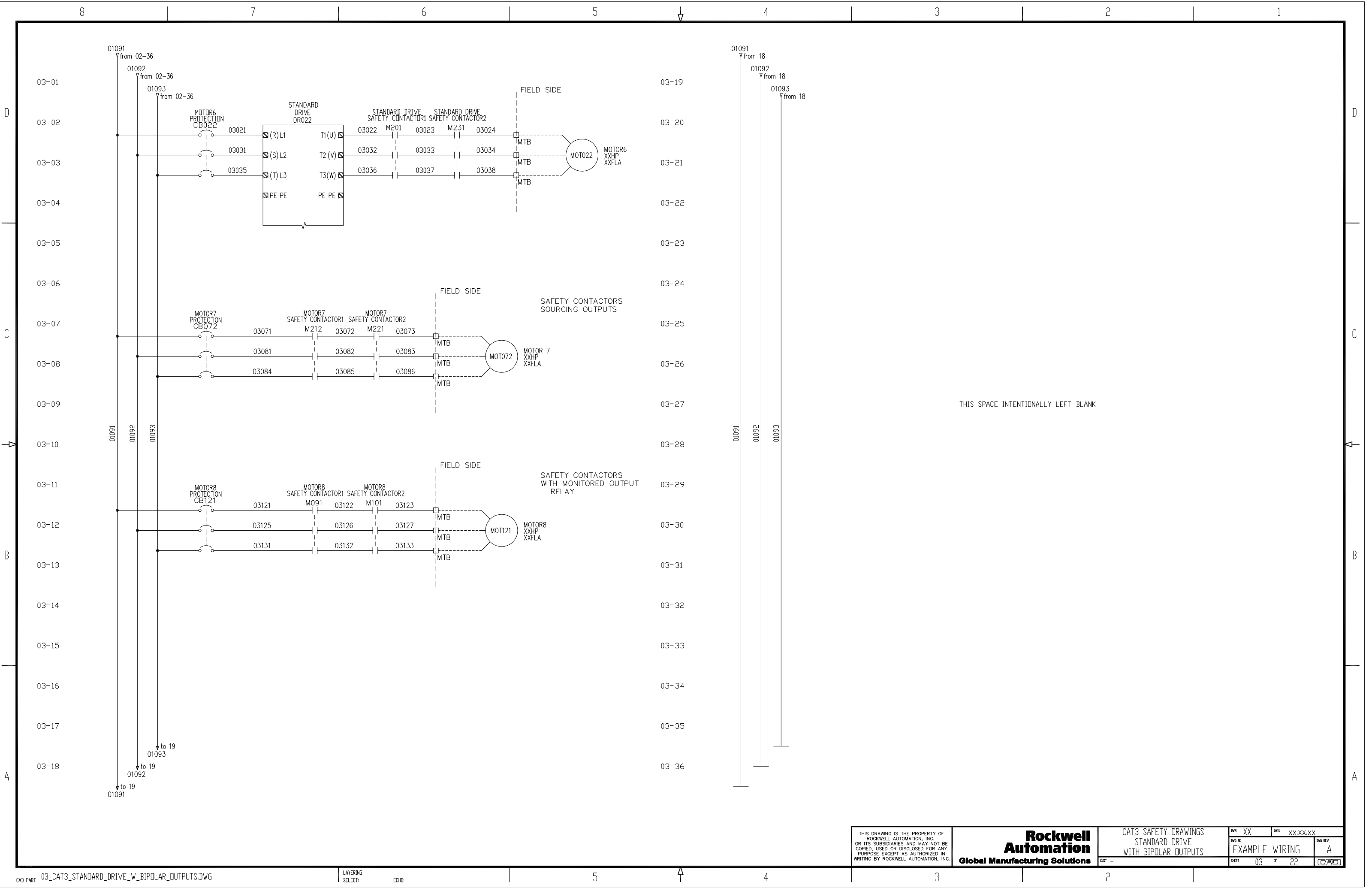
VOLTAGE	COLOR	TYPE	SIZE (Minimum)
XXXVAC	BLACK	MTW inside panel THHN outside panel	#XX AWG
120VAC	RED	MTW inside panel TFFN outside panel	#XX AWG #XX AWG
INTERLOCKS AND WIRING NOT CONTROLLED BY MAIN DISCONNECT	YELLOW	TFFN / THHN	#XX AWG
24VAC	BLUE w/RED TRACER	MTW inside panel TFFN outside panel	#XX 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

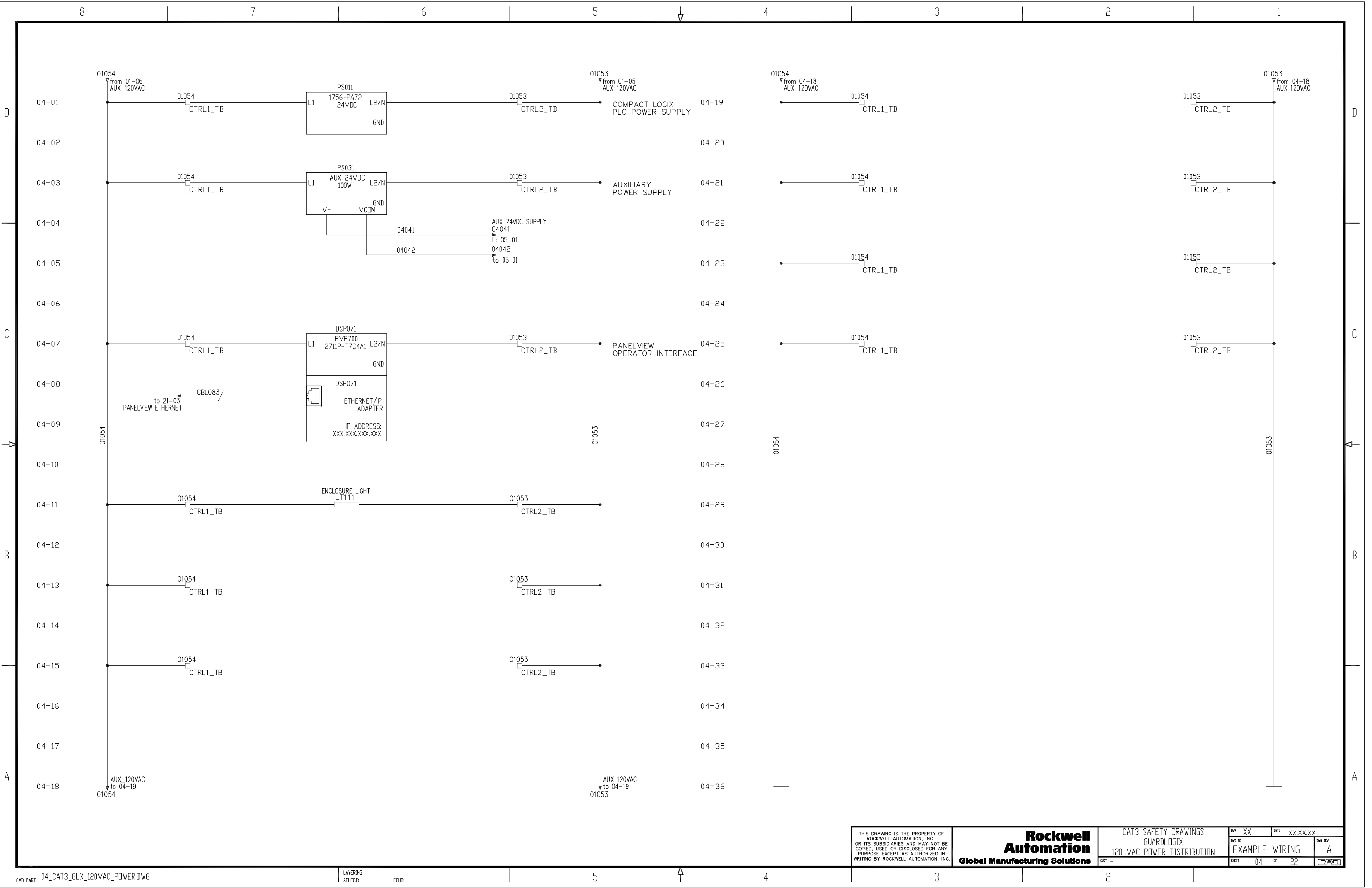
○ MAIN ENCLOSURE TERMINAL
△ FIELD J-BOX TERMINAL
□ FIELD STATION TERMINAL
INTERNAL WIRING

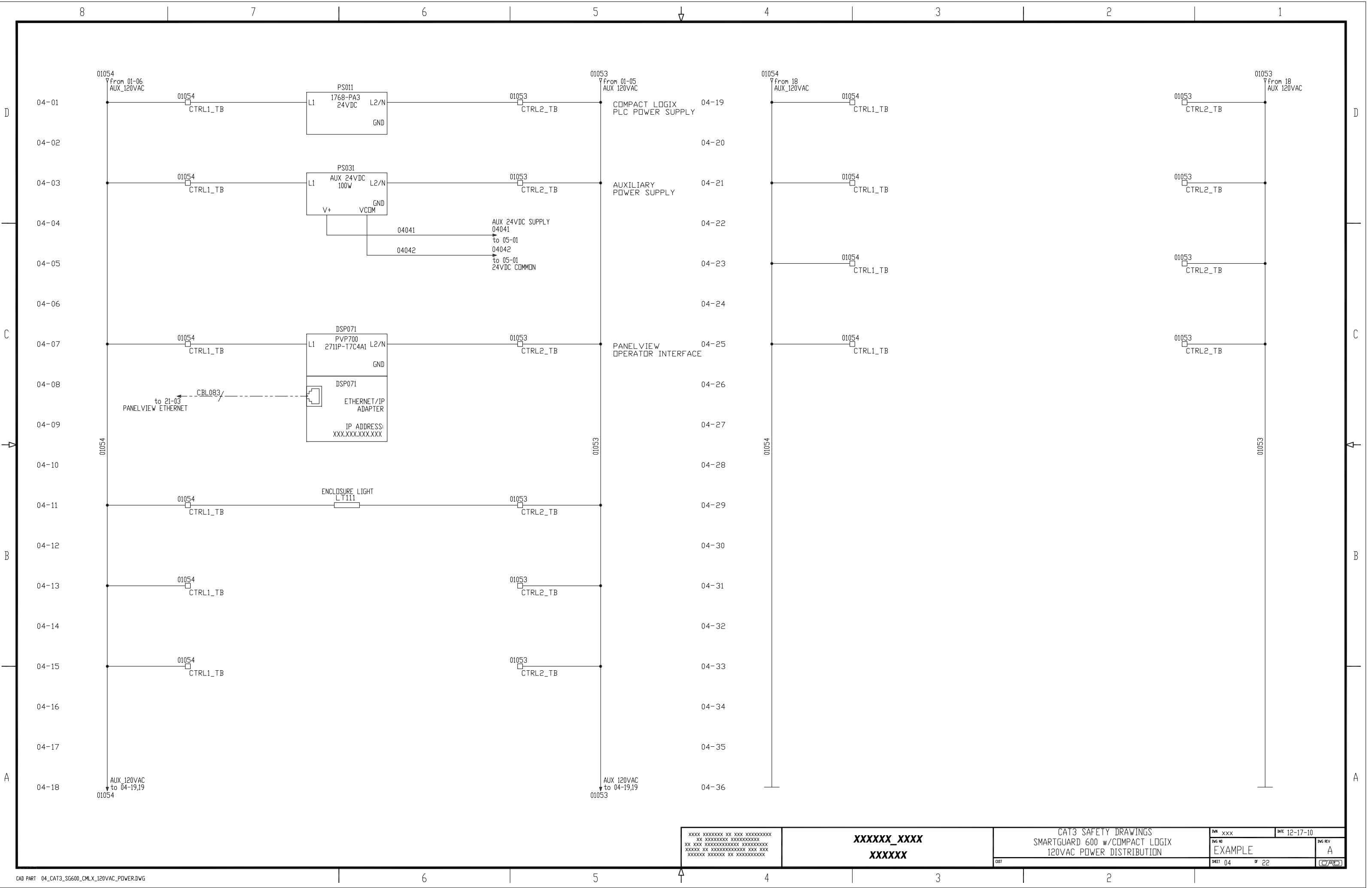
XXXX XXXXXXXX XX XXX XXXXXXXXXX XX XXXXXXXXXX XXXXXXXXXX XX XXX XXXXXXXXXX XXXXXXXXXX XXXXXX XX XXXXXXXXXX XXX XXX XXXXXX XXXXXX XX XXXXXXXXXX	XXXXXX_XXXX XXXXXX	CAT3 SAFETY DRAWINGS DRAWING LIST TITLE SHEET	DWG XXX	DATE 12-17-10
			DWG NO EXAMPLE	DWG REV B
			SHEET 0	OF 22
			CAD	

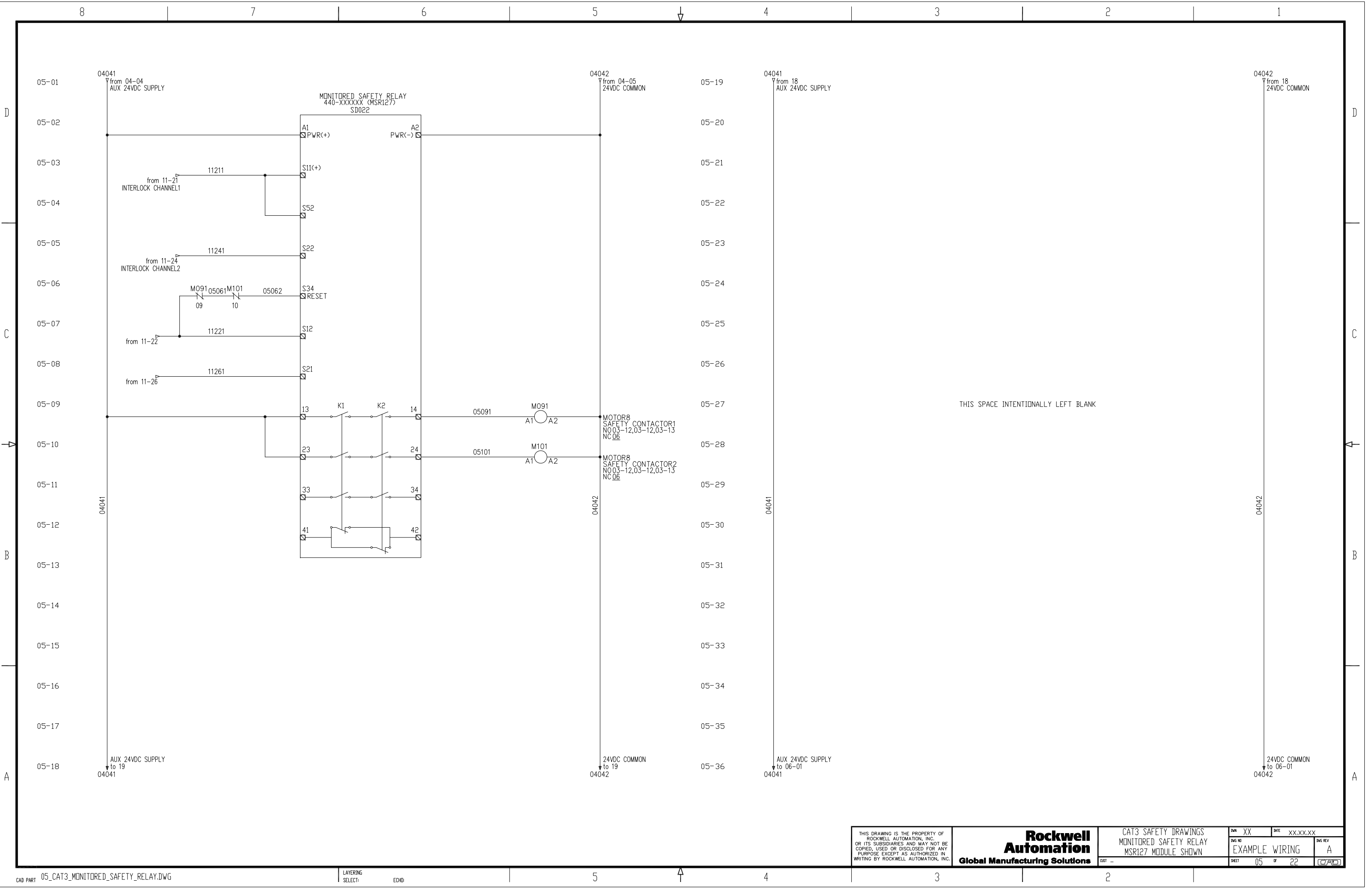










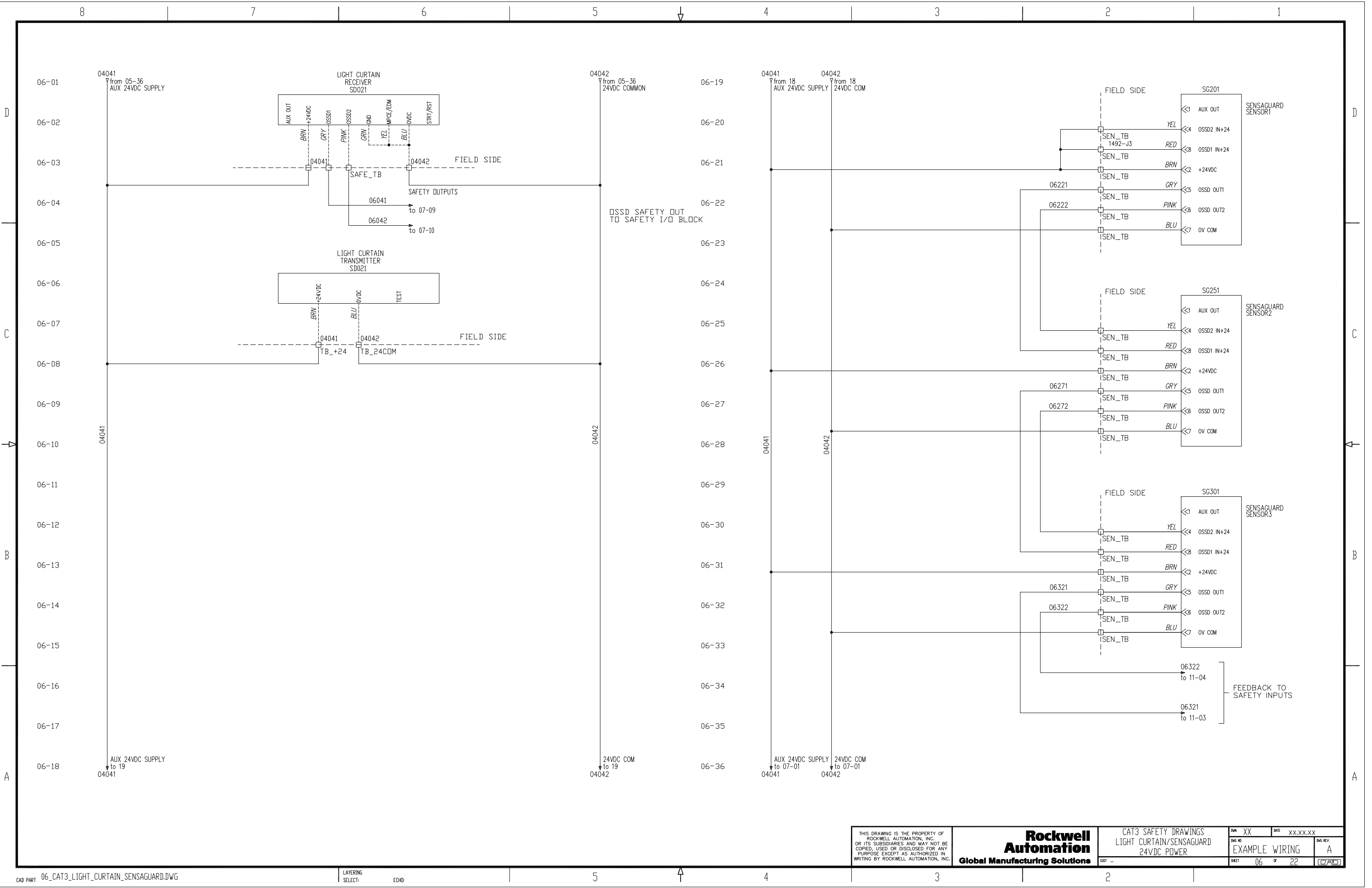


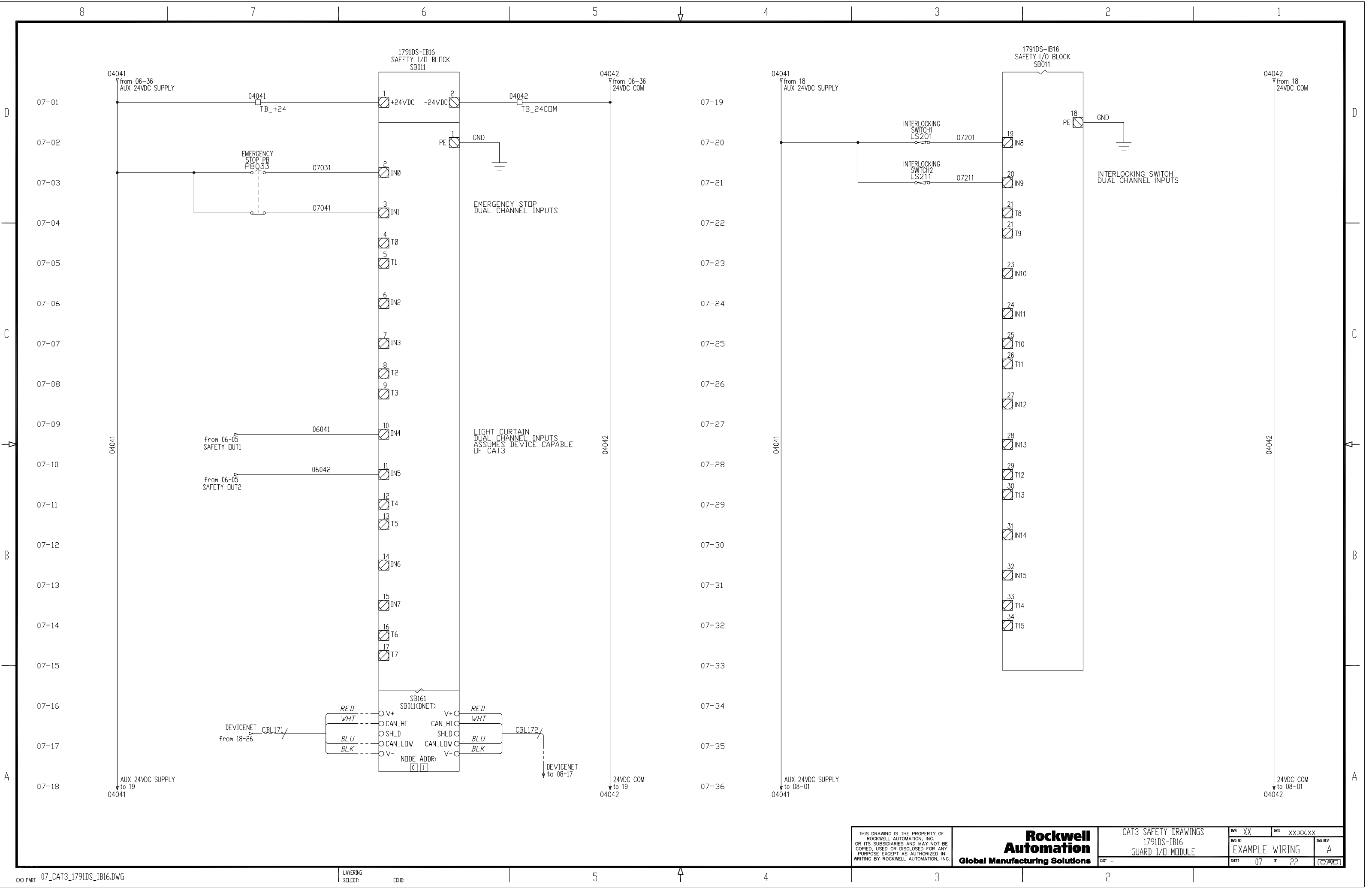
THIS DRAWING IS THE PROPERTY OF
ROCKWELL AUTOMATION, INC.
OR ITS SUBSIDIARIES AND MAY NOT BE
COPIED, USED OR DISCLOSED FOR ANY
PURPOSE EXCEPT AS AUTHORIZED IN
WRITING BY ROCKWELL AUTOMATION, INC.

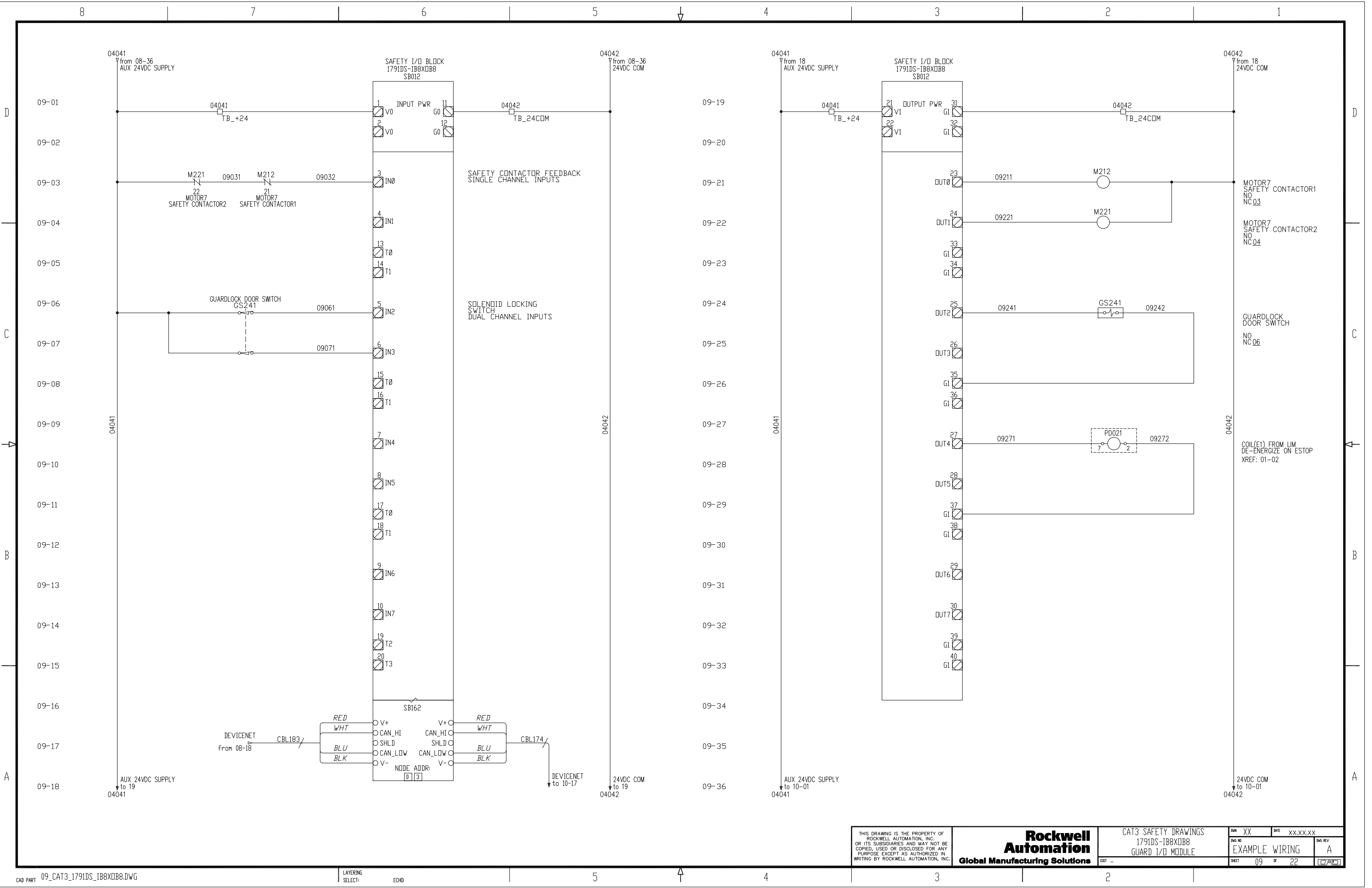
**Rockwell
Automation**
Global Manufacturing Solutions

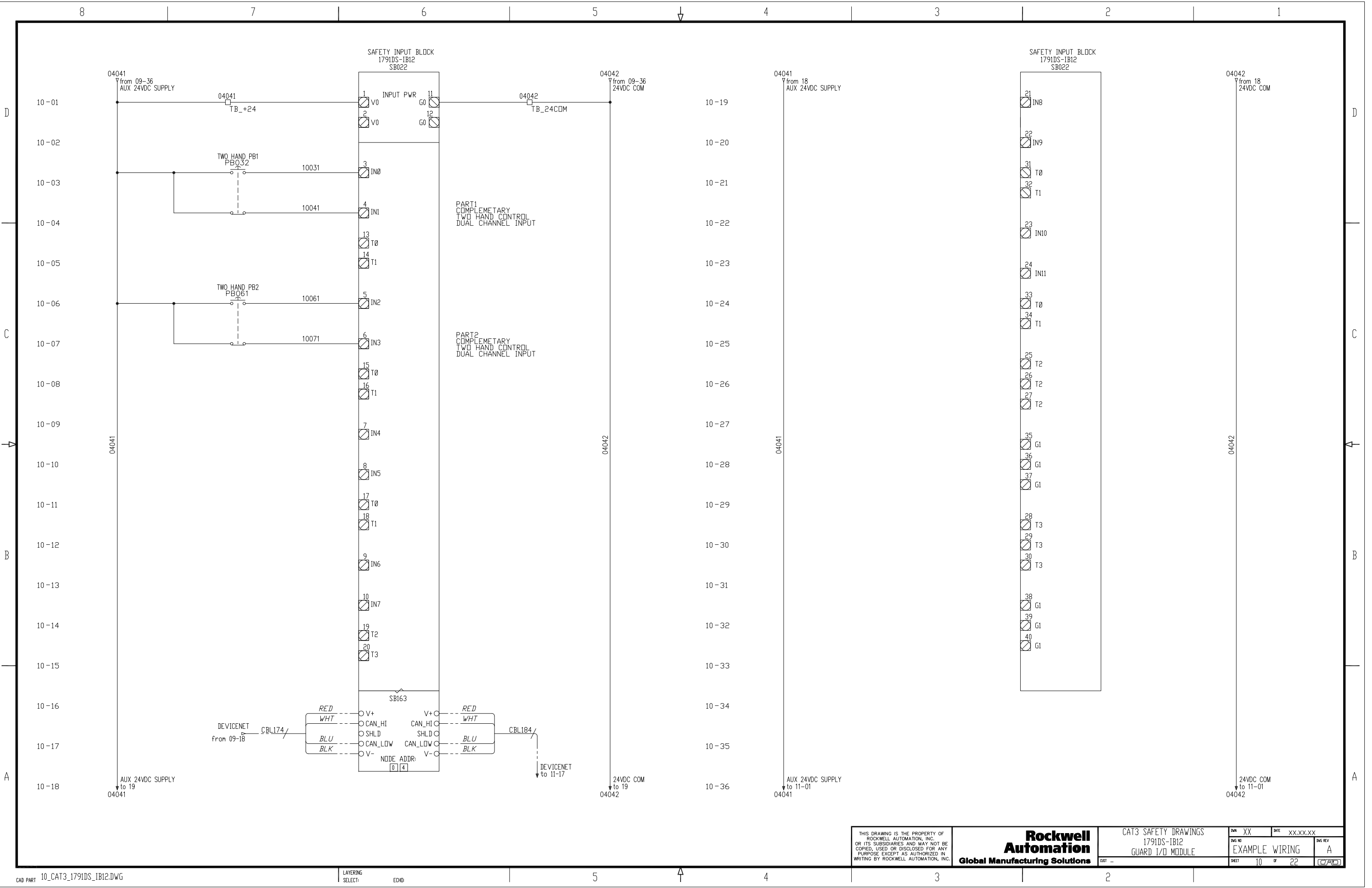
CAT3 SAFETY DRAWINGS
MONITORED SAFETY RELAY
MSR127 MODULE SHOWN

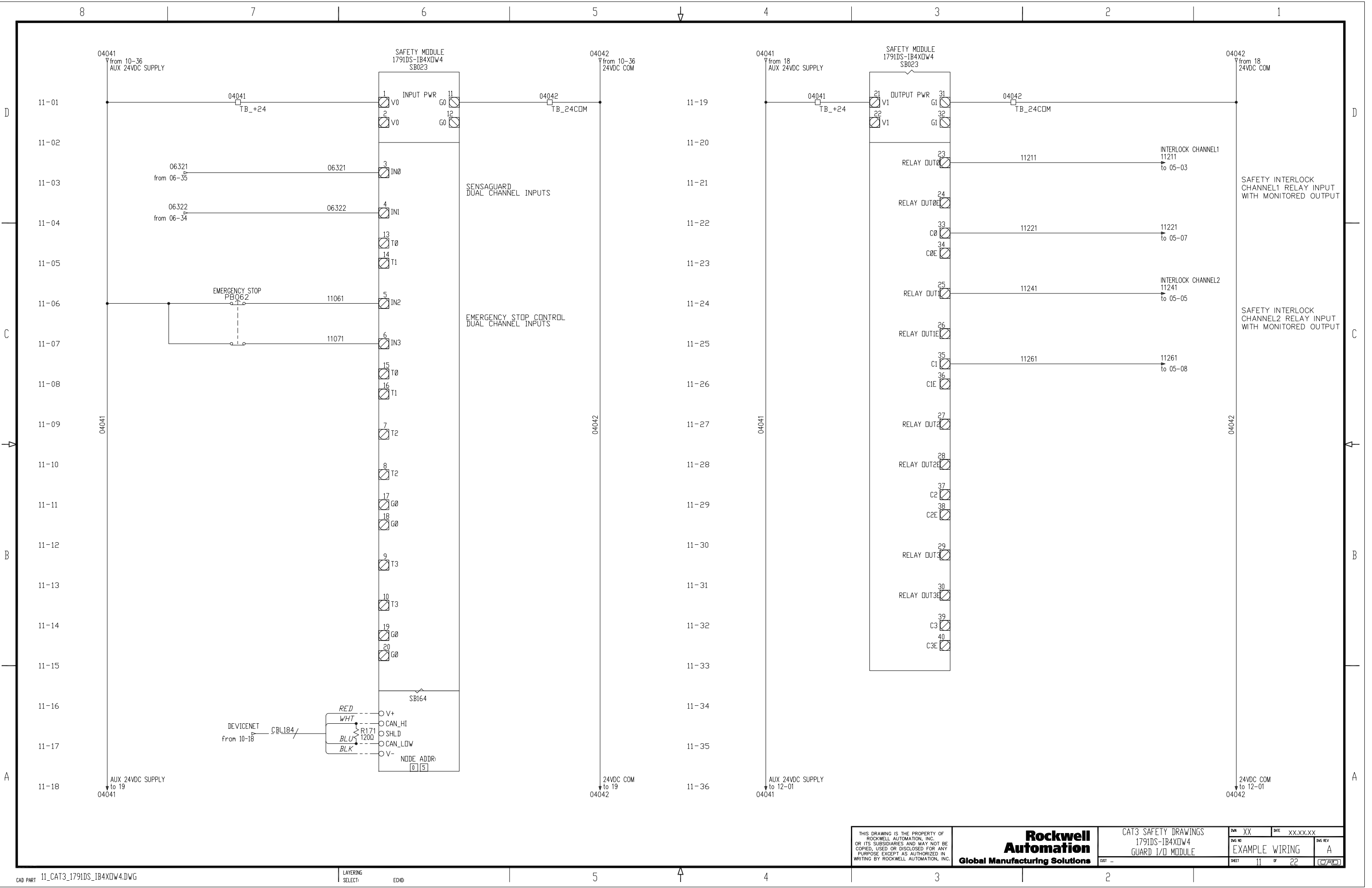
DWG NO	XX	DATE	XX.XX.XX
DWG REV	EXAMPLE WIRING	DWG REV	A
SHEET	05	OF	22
CAD			

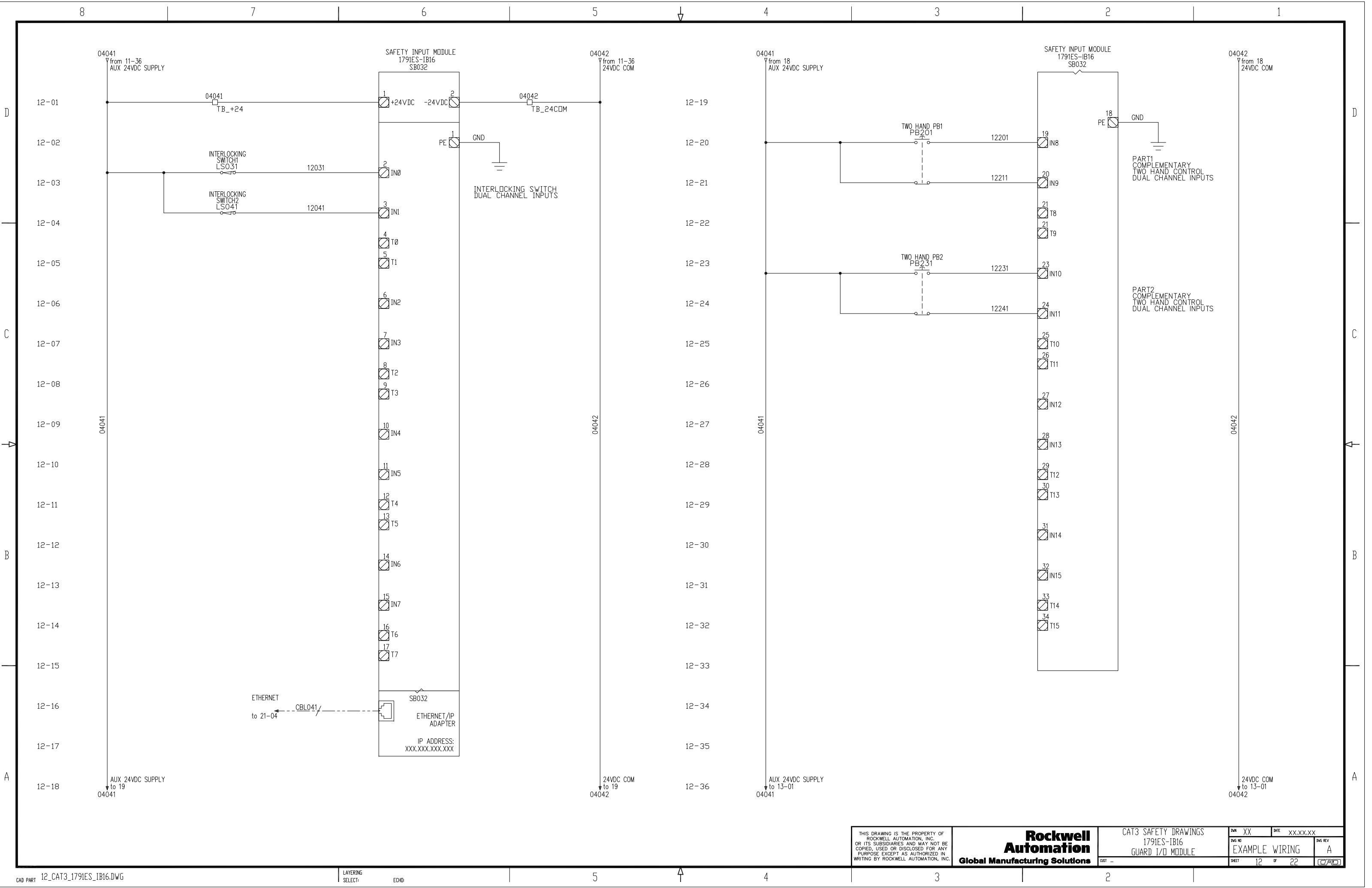


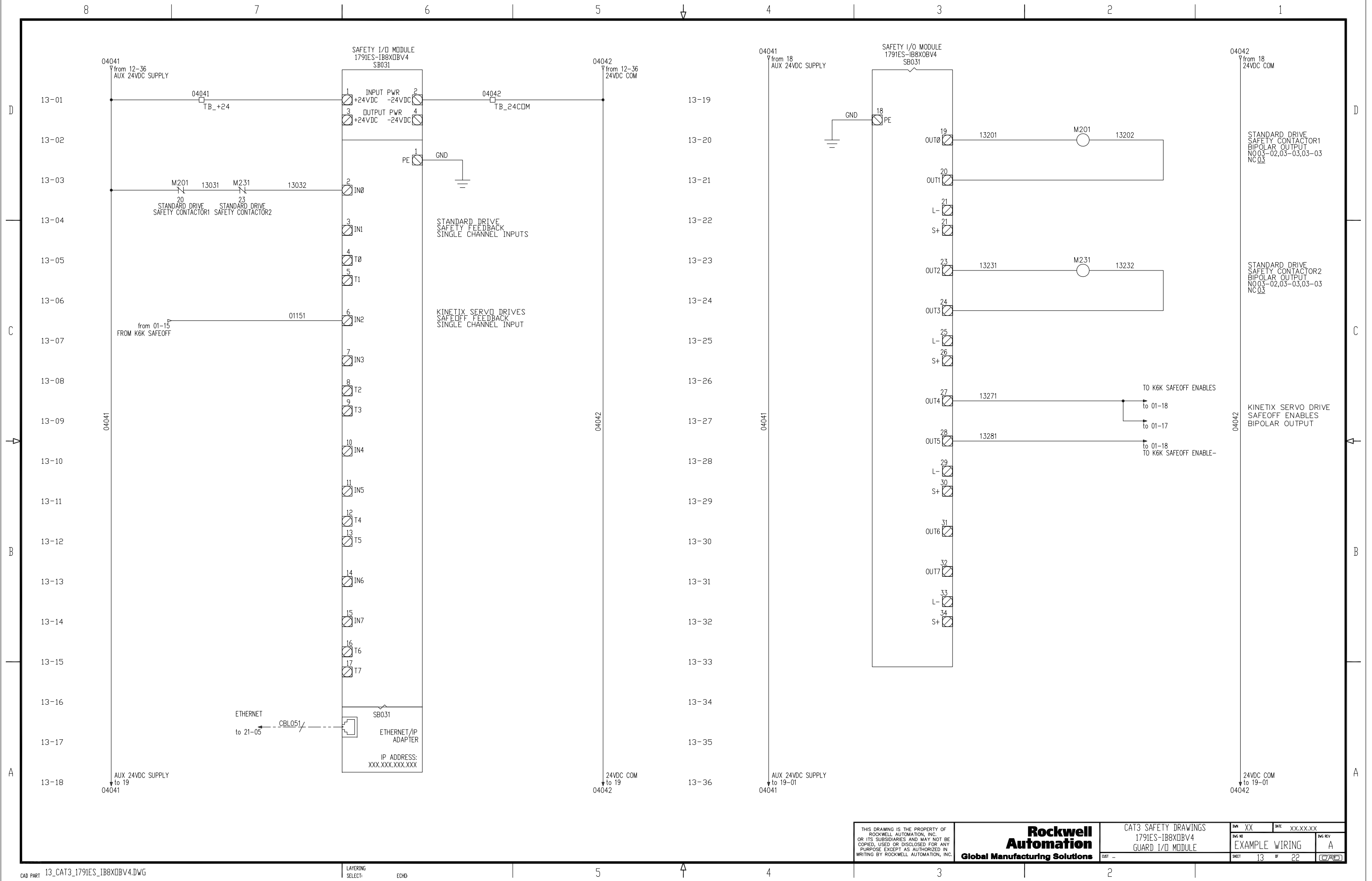


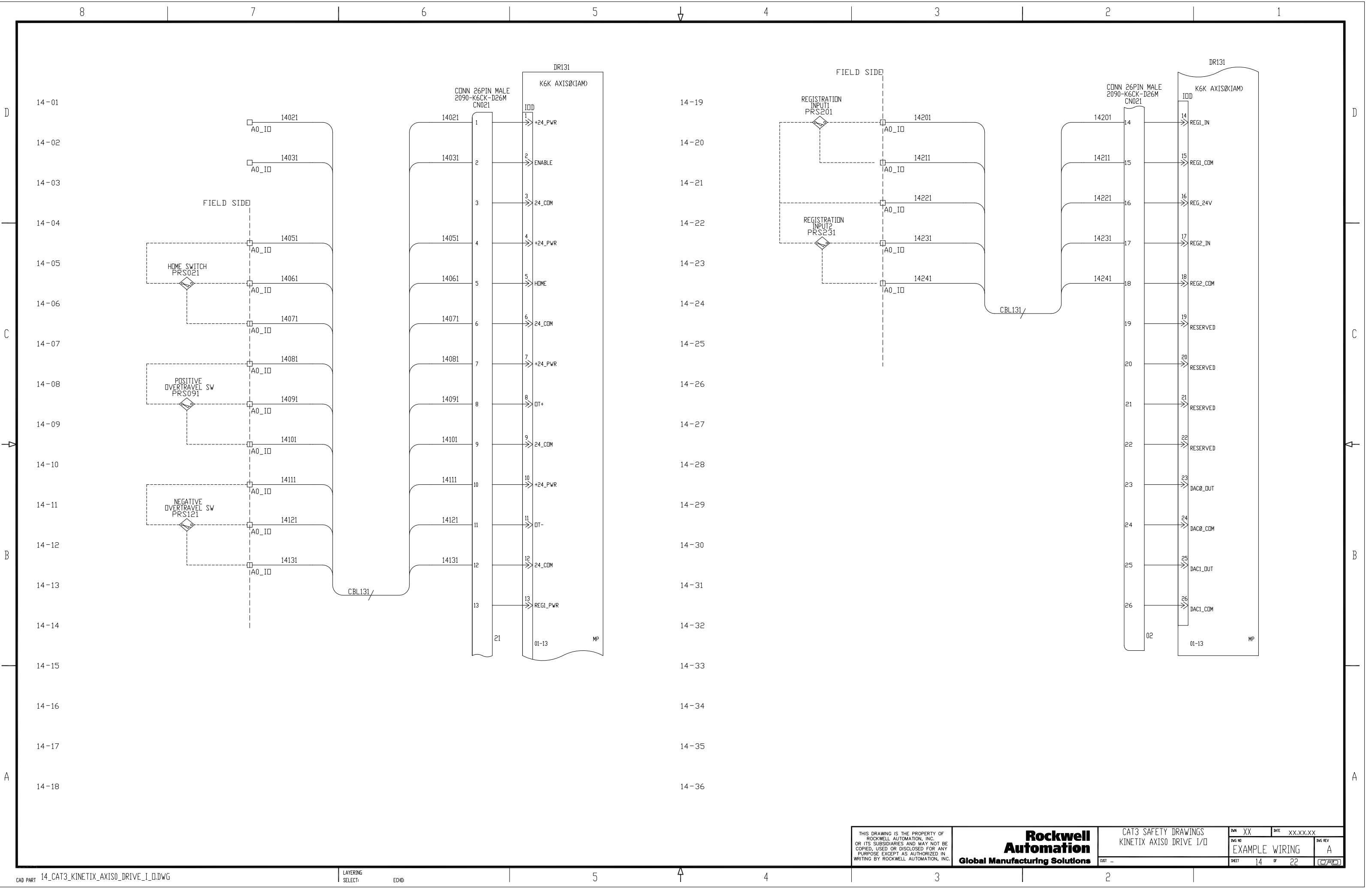


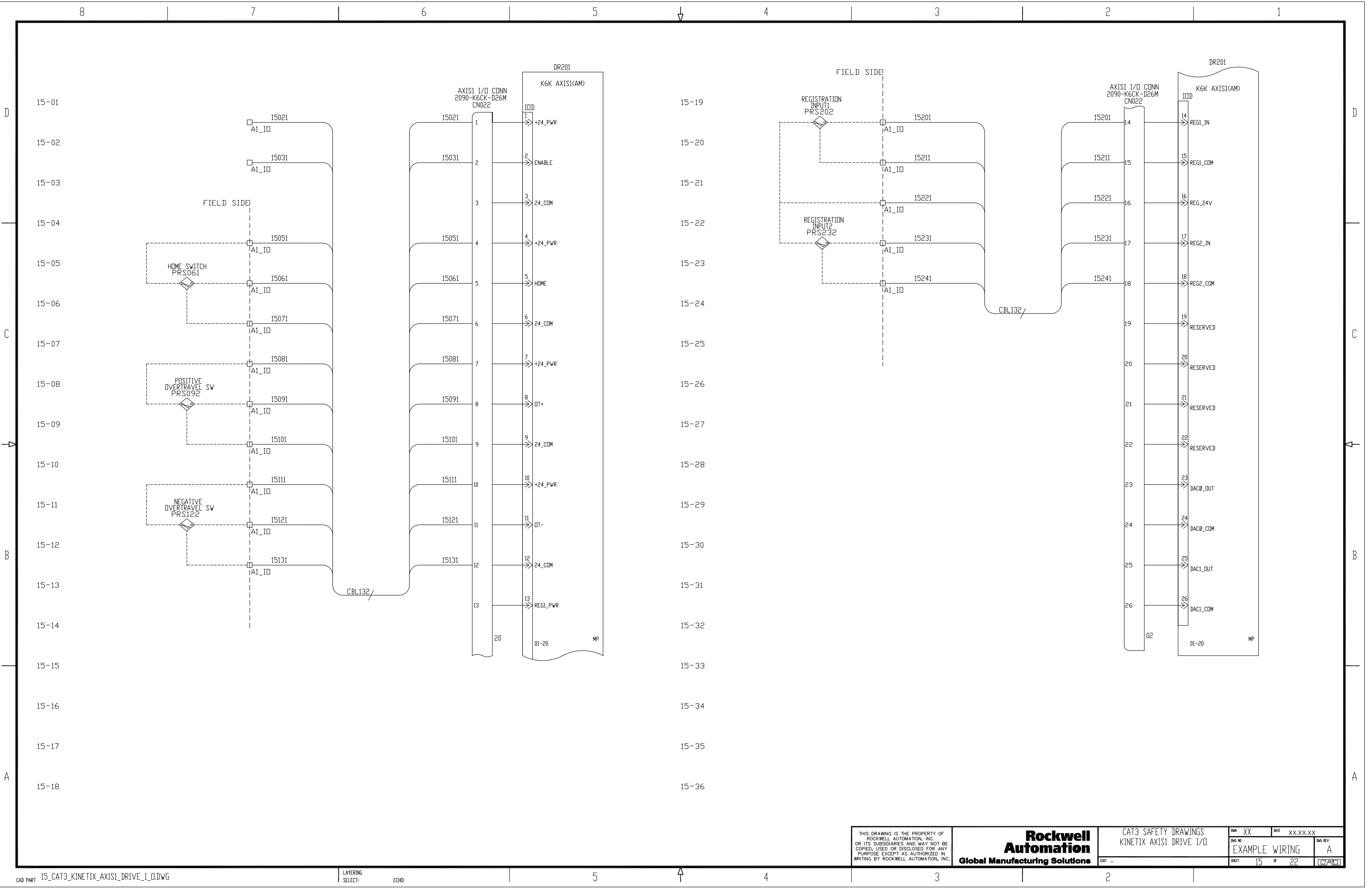


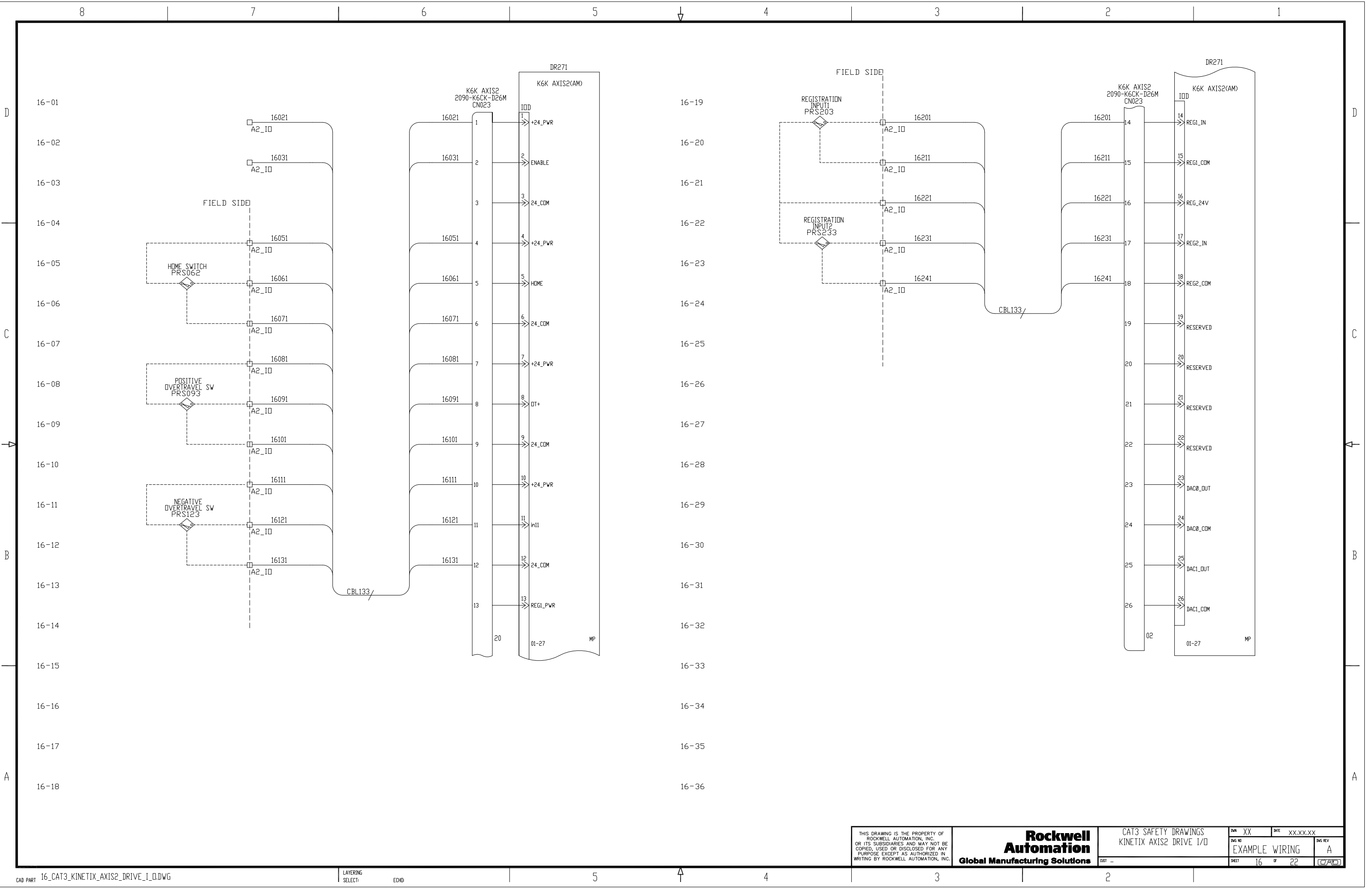


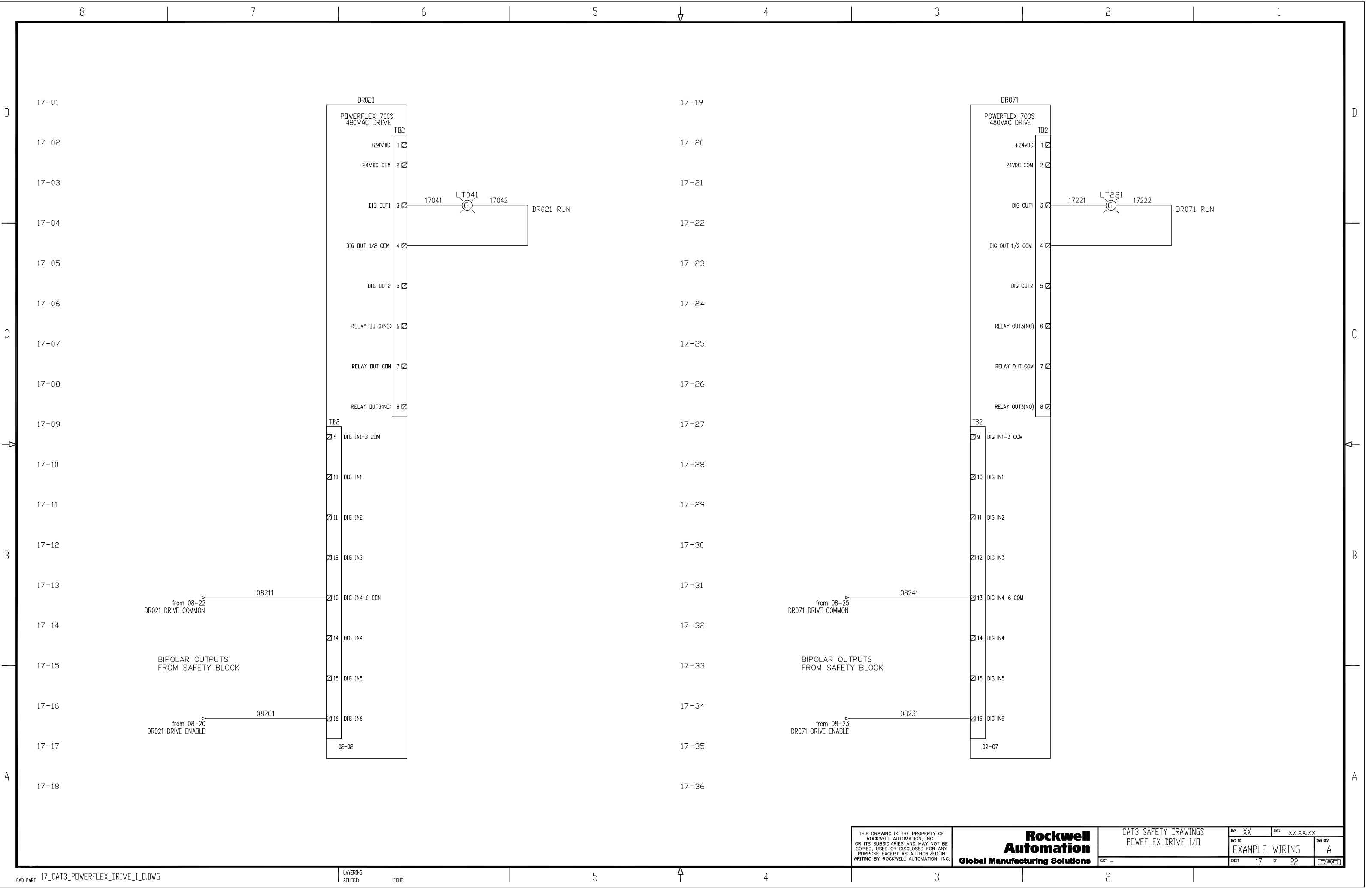


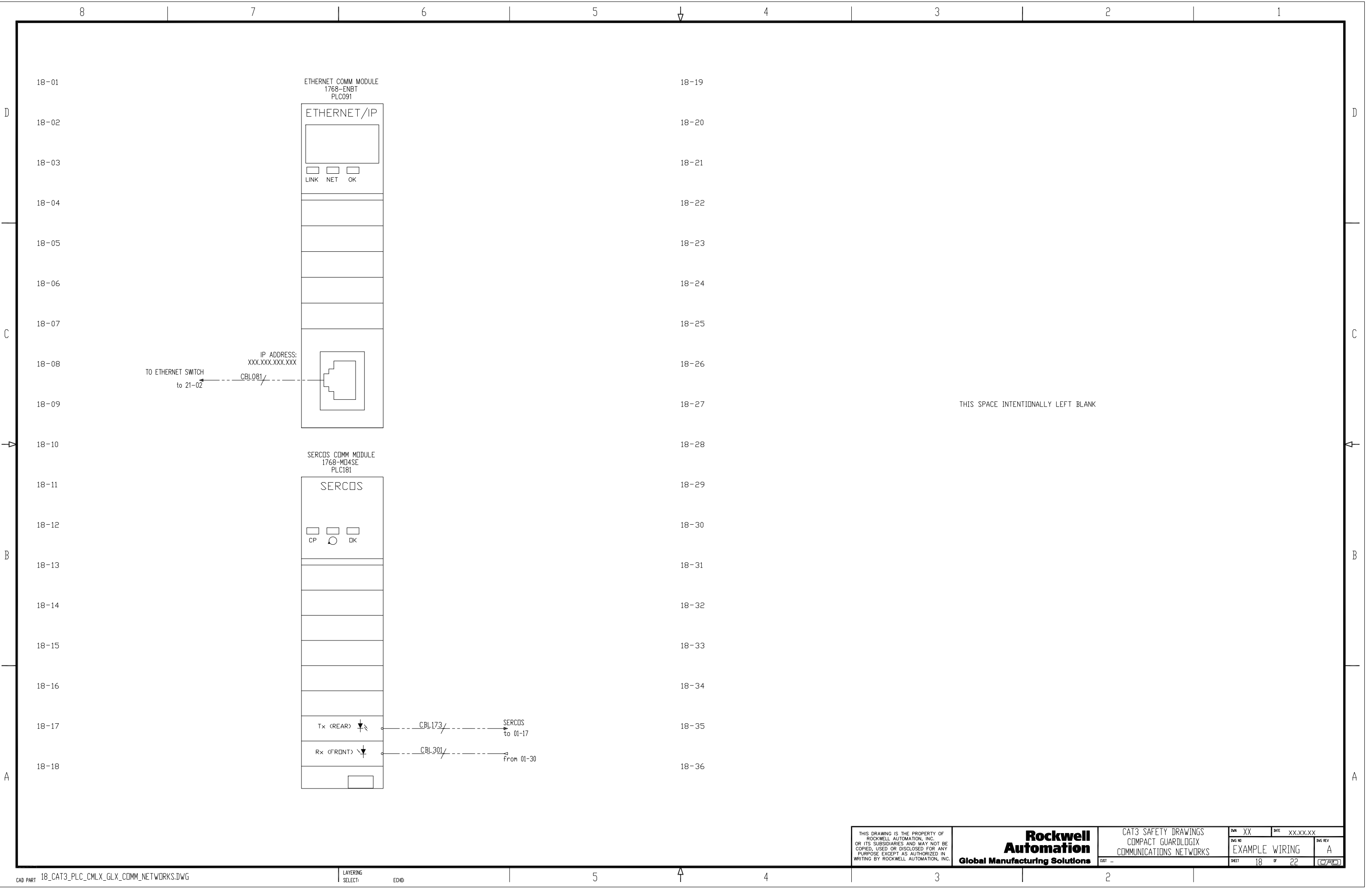


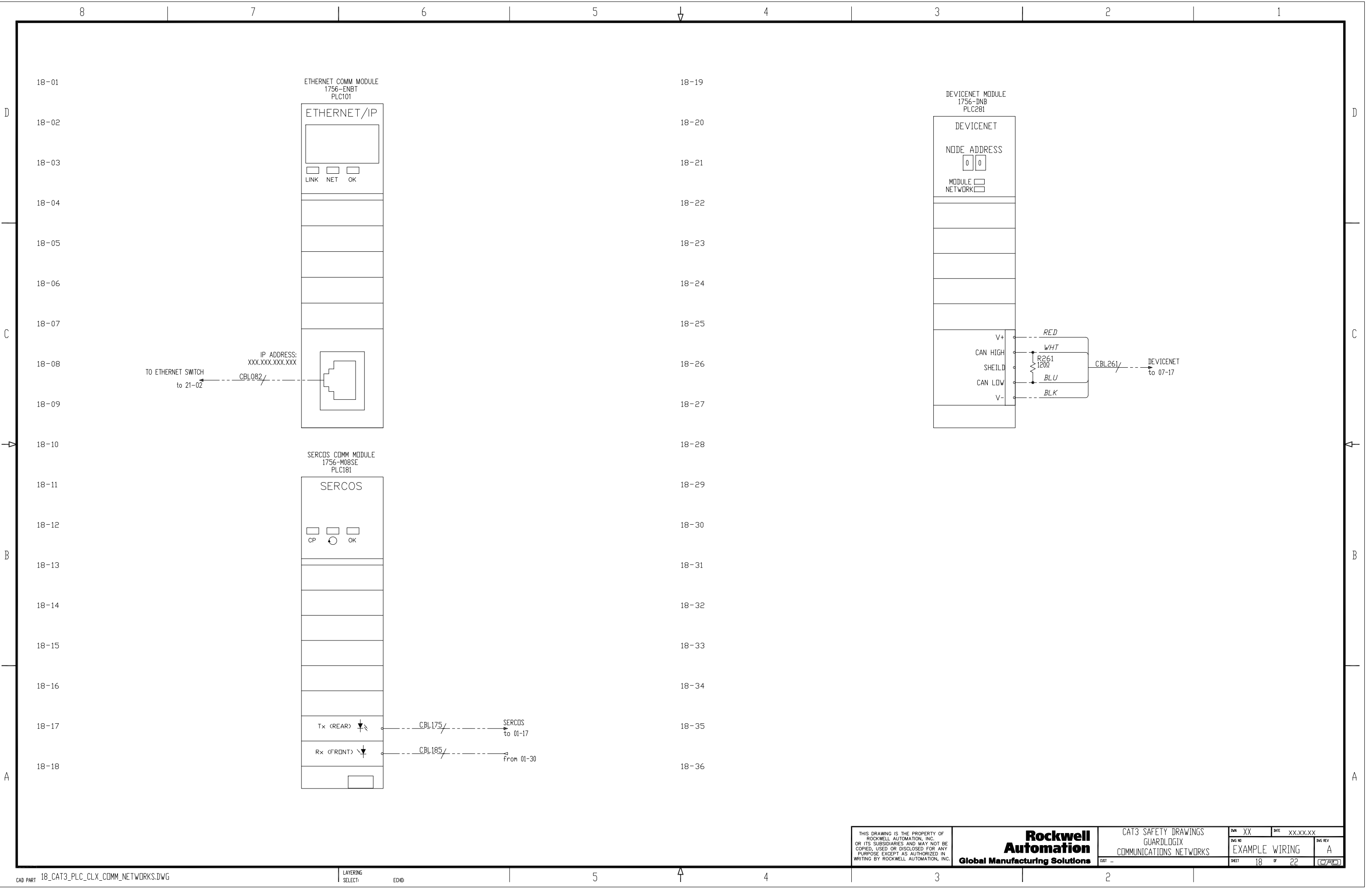


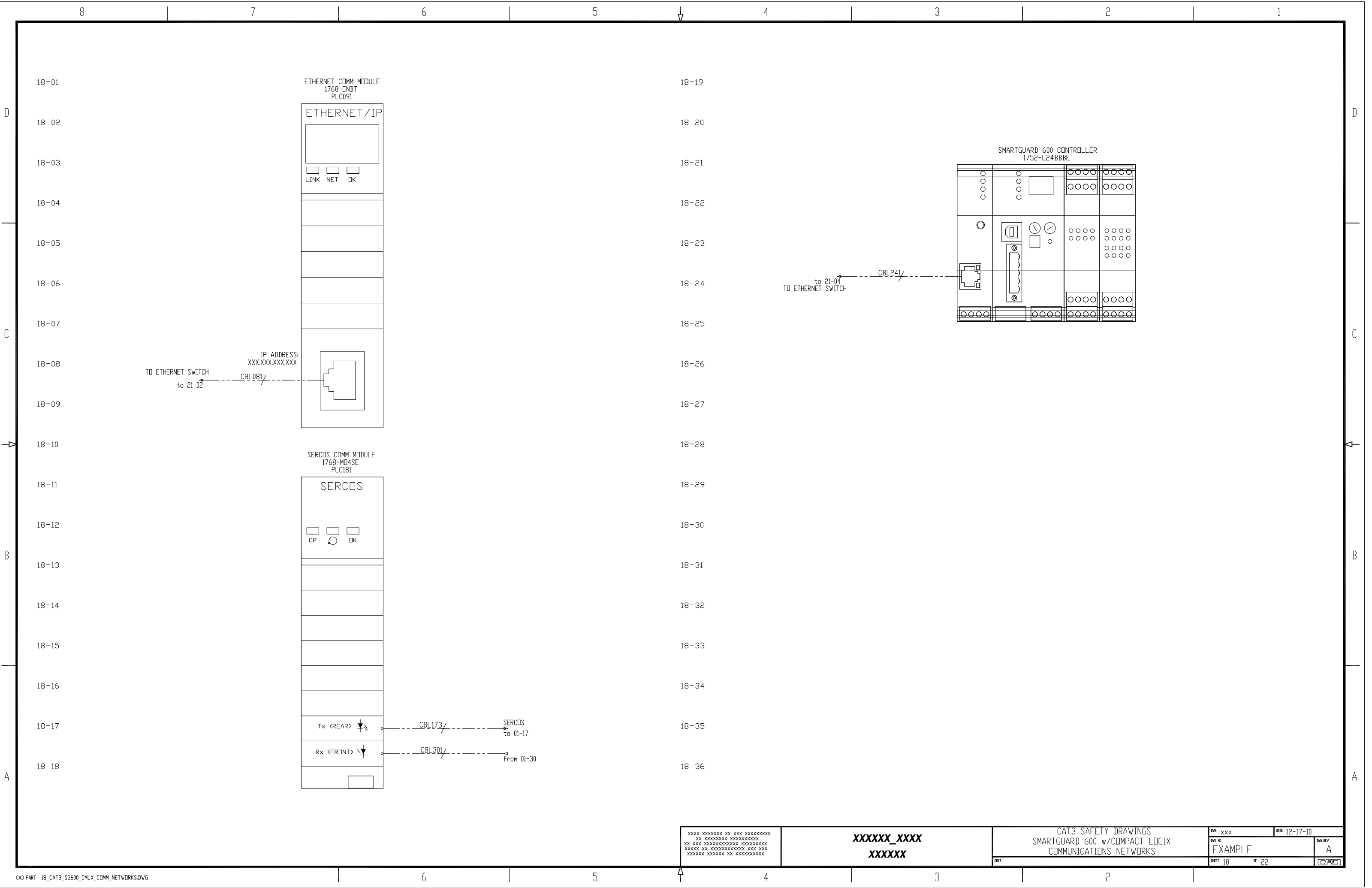


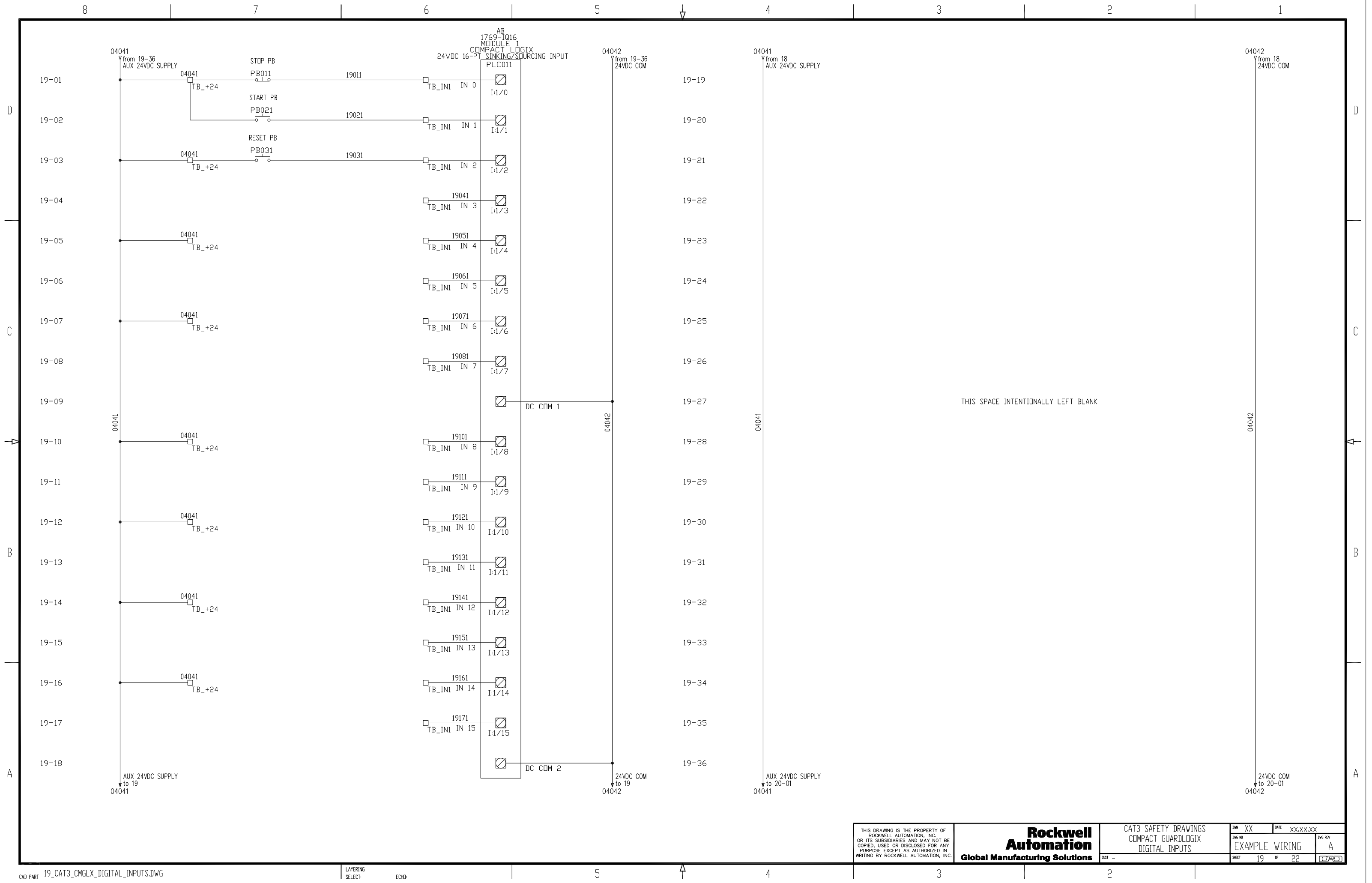


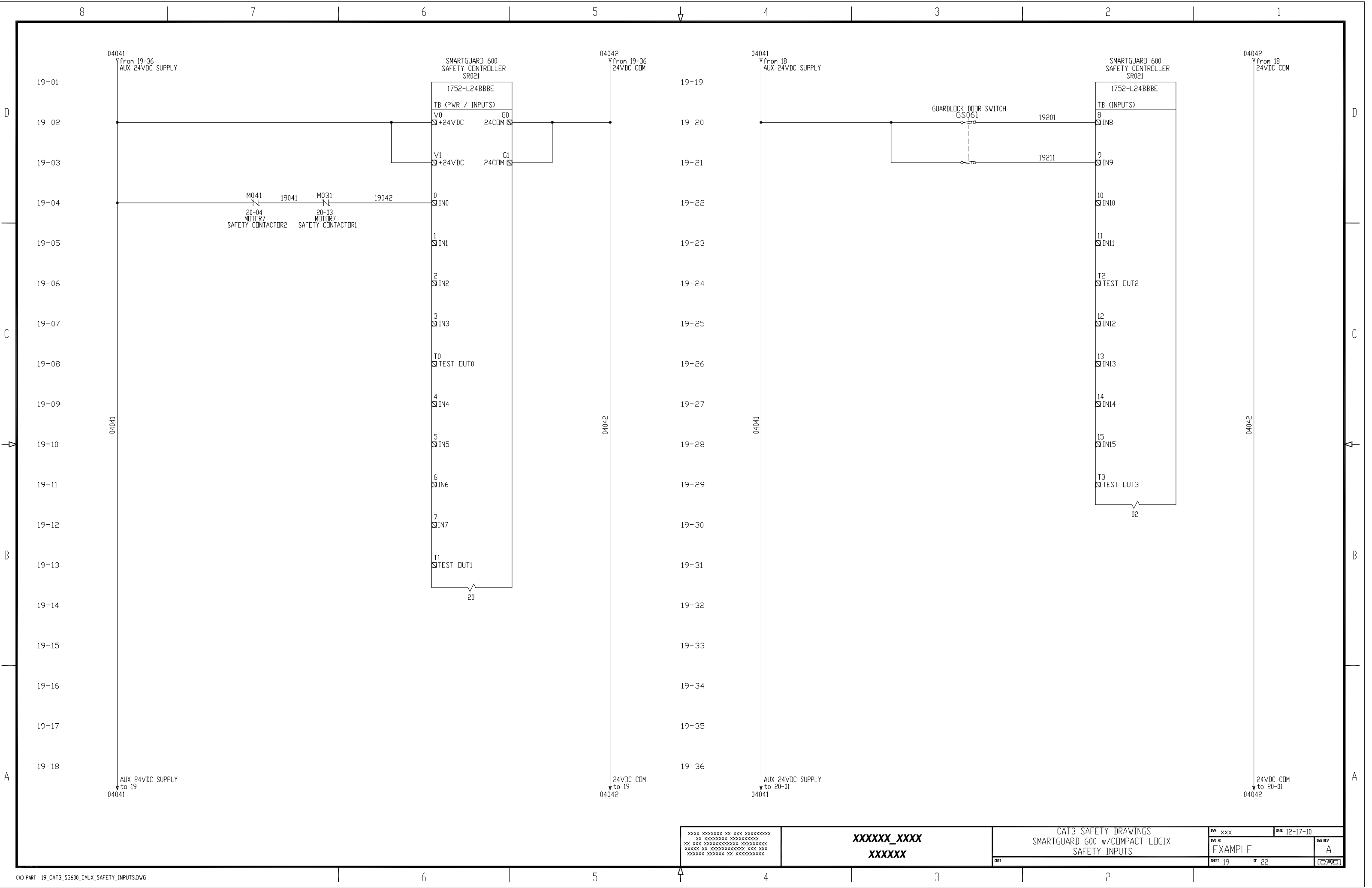


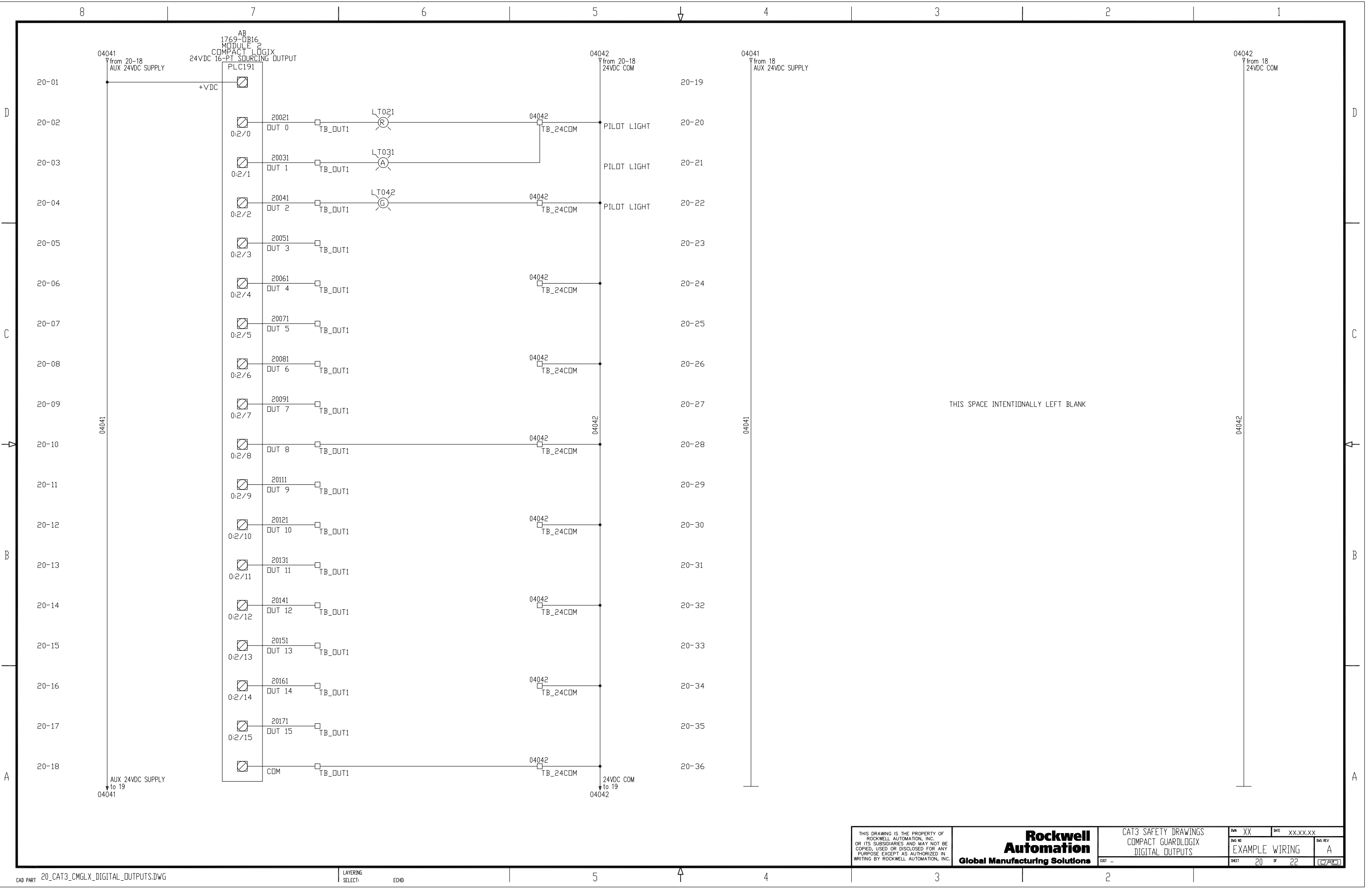


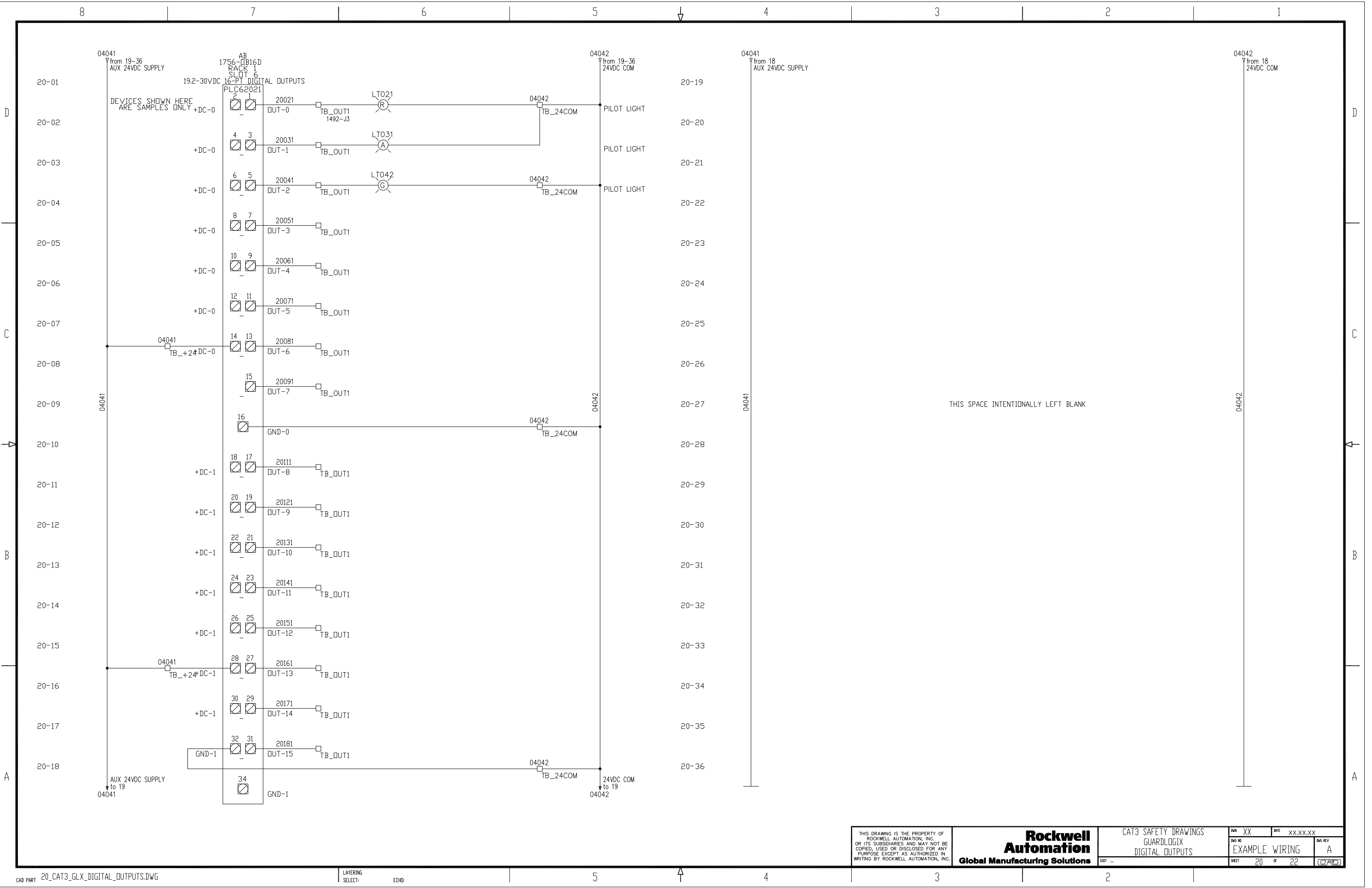


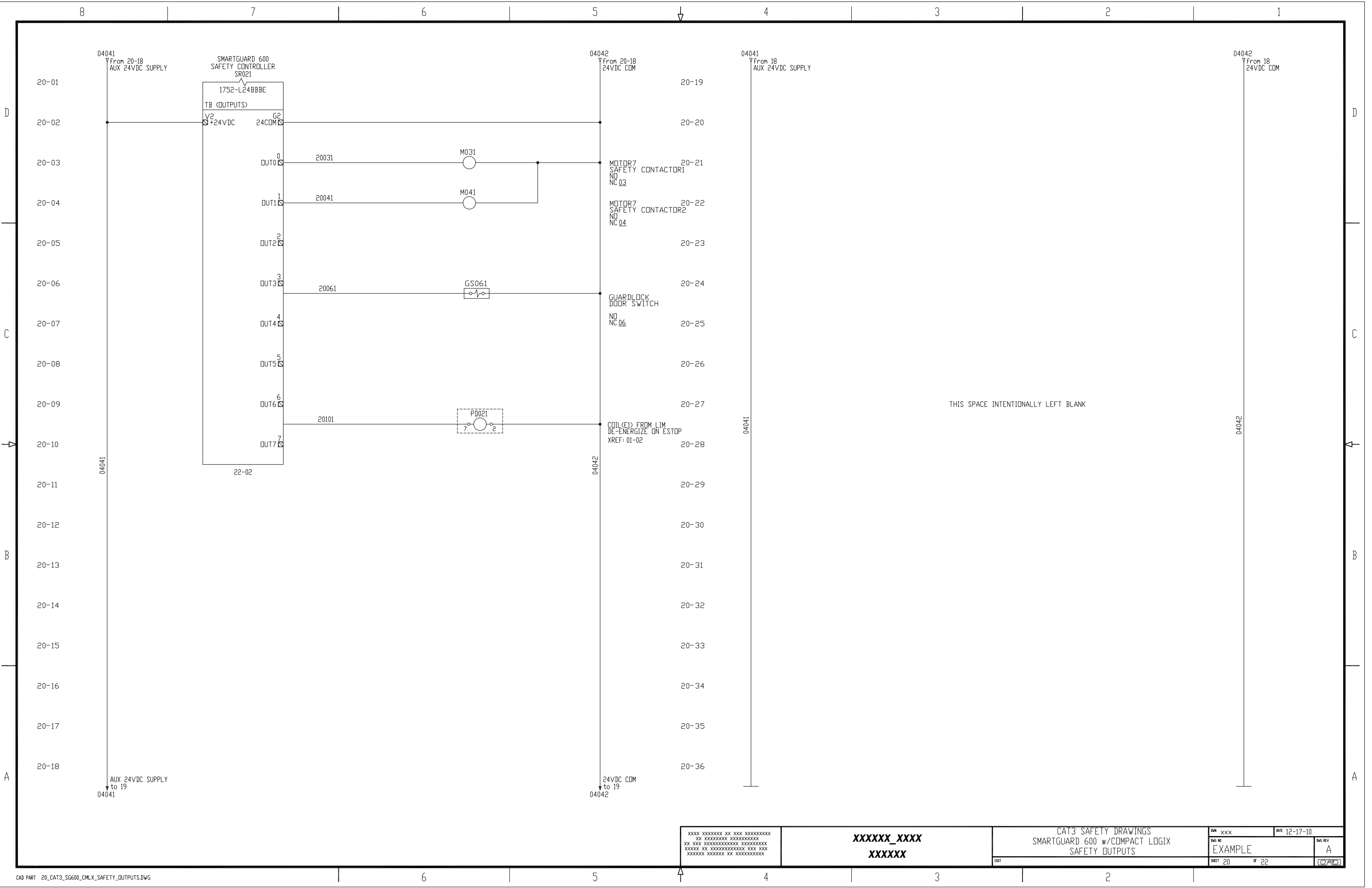


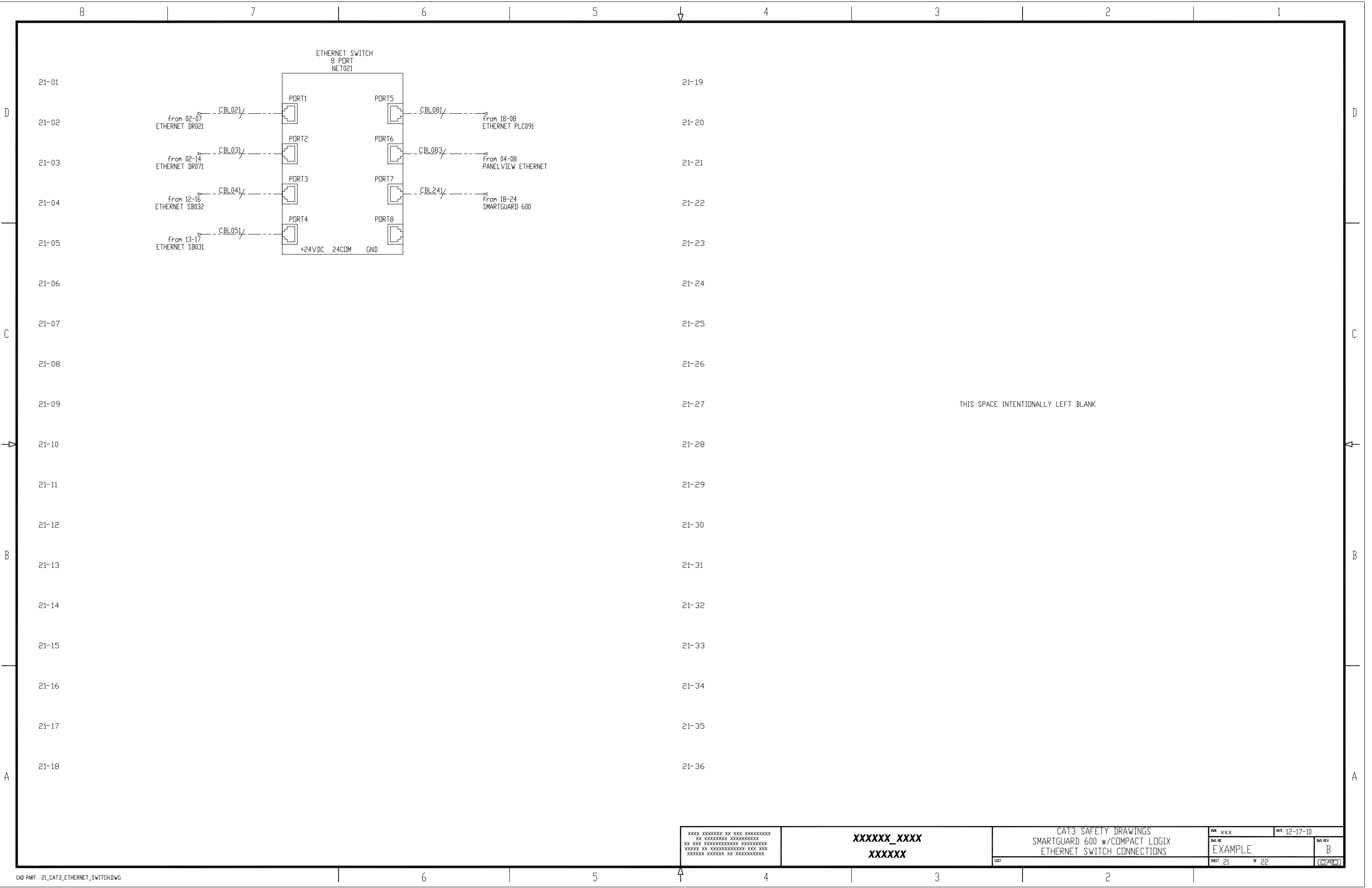


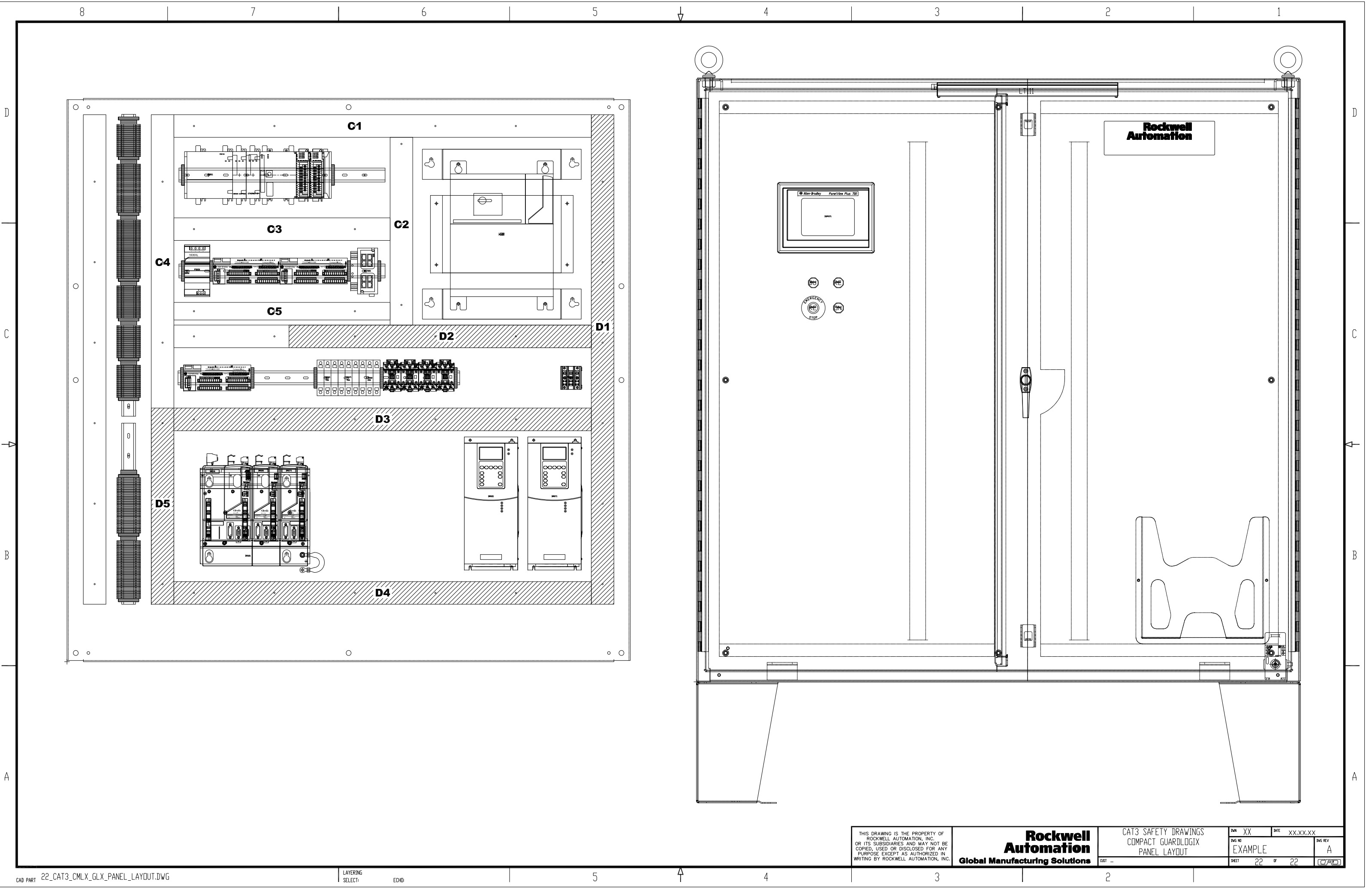












THIS DRAWING IS THE PROPERTY OF
ROCKWELL AUTOMATION, INC.
OR ITS SUBSIDIARIES AND MAY NOT BE
COPIED, USED OR DISCLOSED FOR ANY
PURPOSE EXCEPT AS AUTHORIZED IN
WRITING BY ROCKWELL AUTOMATION, INC.

**Rockwell
Automation**
Global Manufacturing Solutions

CAT3 SAFETY DRAWINGS
COMPACT GUARDLOGIX
PANEL LAYOUT

DWG NO	XX	DATE	XX.XX.XX
DWG REV	EXAMPLE	DWG REV	A
SHEET	22	OF	22
CAD			

