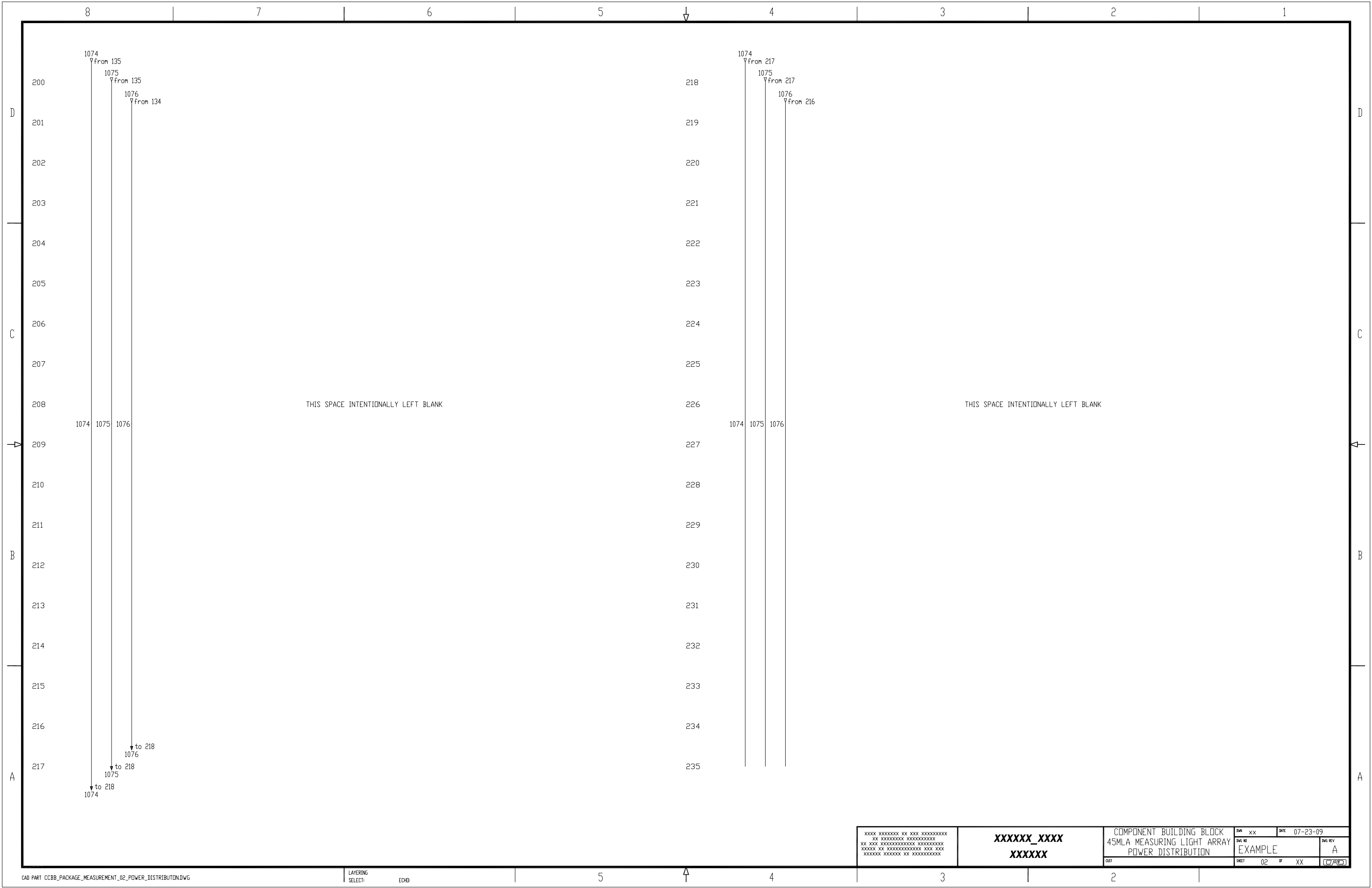
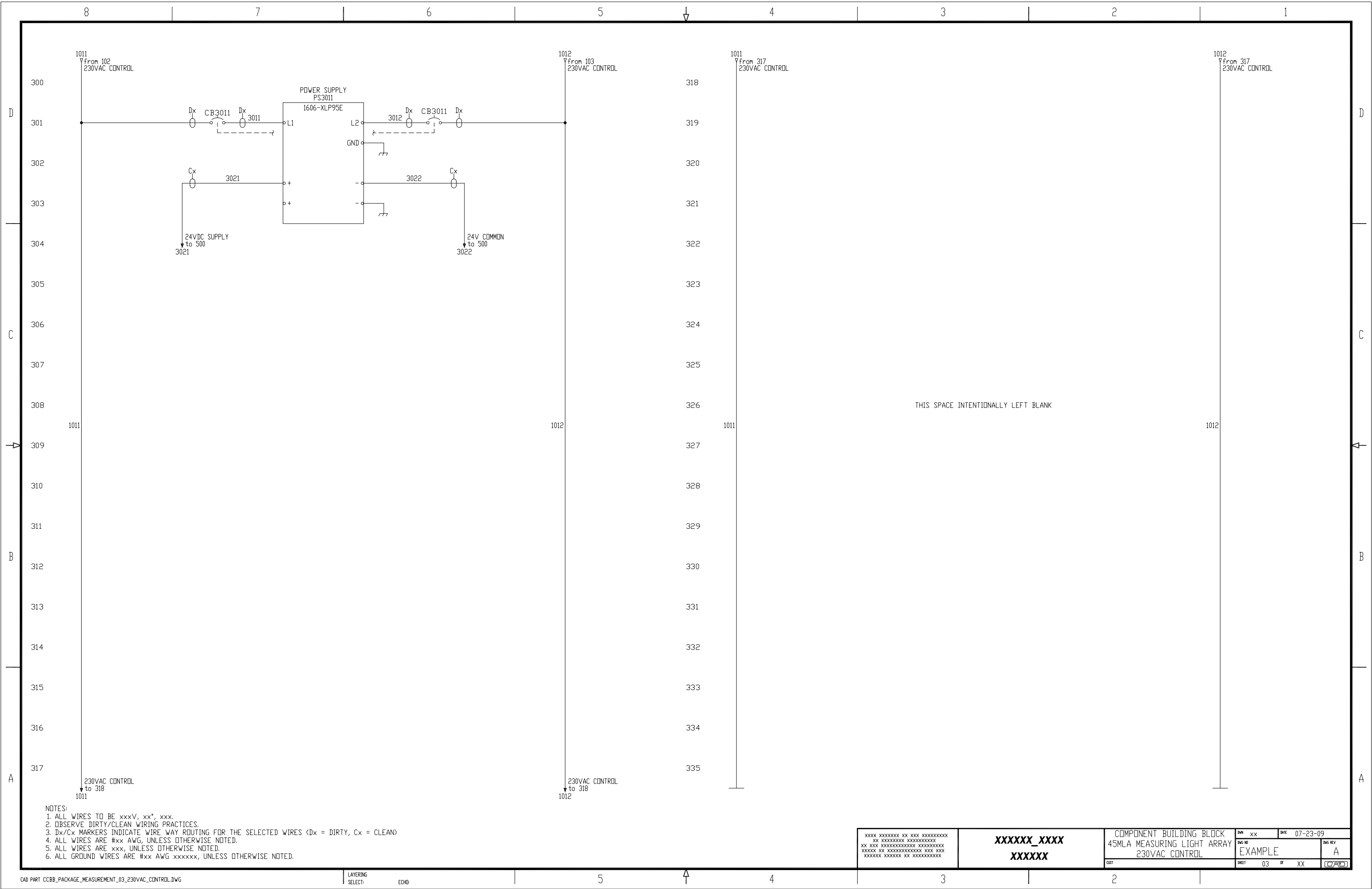


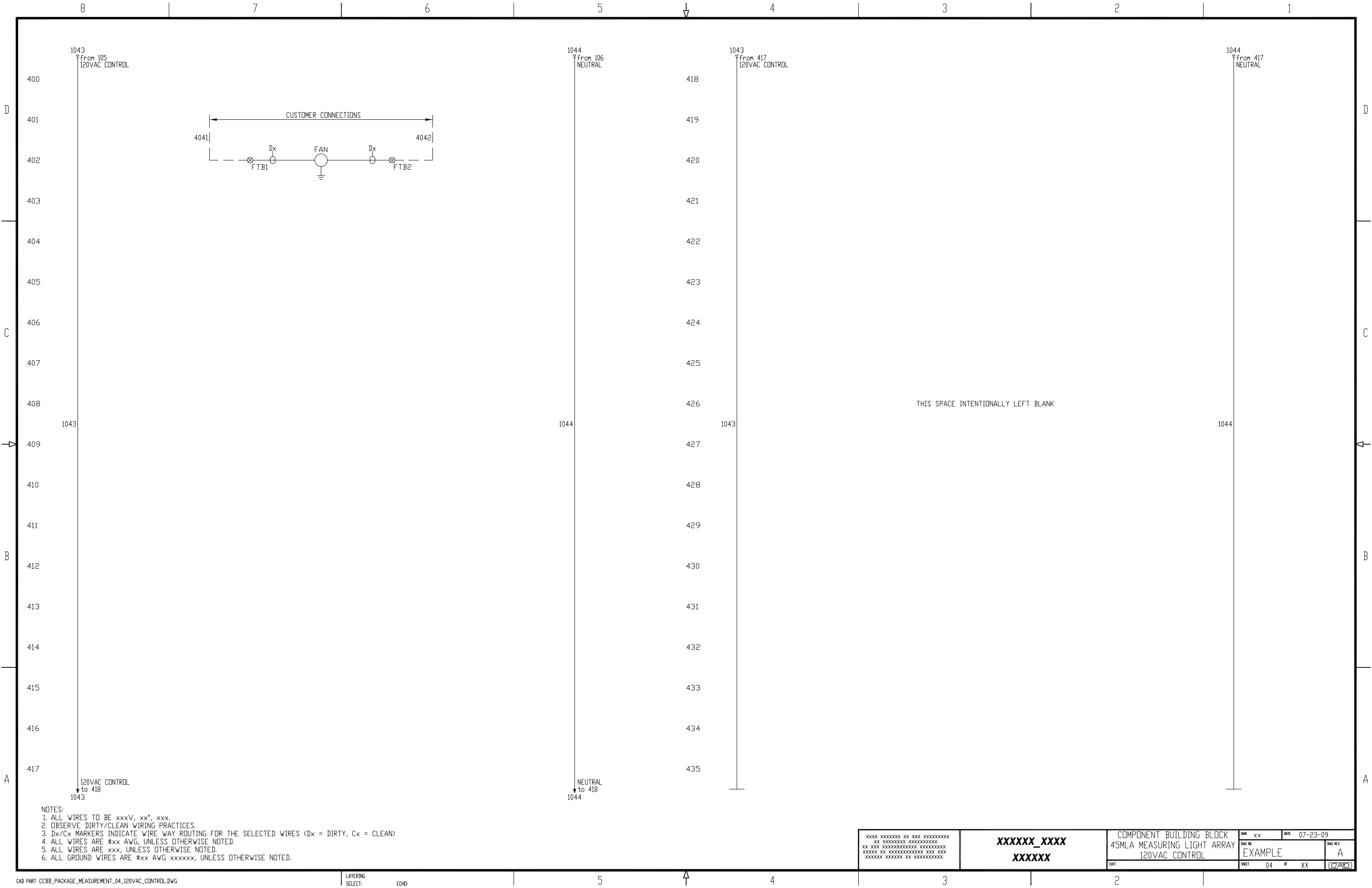
NOTES:
1. ALL WIRES TO BE xxxV, xx*, xxx.
2. OBSERVE DIRTY/CLEAN WIRING PRACTICES.
3. Dx/Cx MARKERS INDICATE WIRE WAY ROUTING FOR THE SELECTED WIRES (Dx = DIRTY, Cx = CLEAN)
4. ALL WIRES ARE #xx AWG, UNLESS OTHERWISE NOTED.
5. ALL WIRES ARE xxx, UNLESS OTHERWISE NOTED.
6. ALL GROUND WIRES ARE #xx AWG xxxxxx, UNLESS OTHERWISE NOTED.

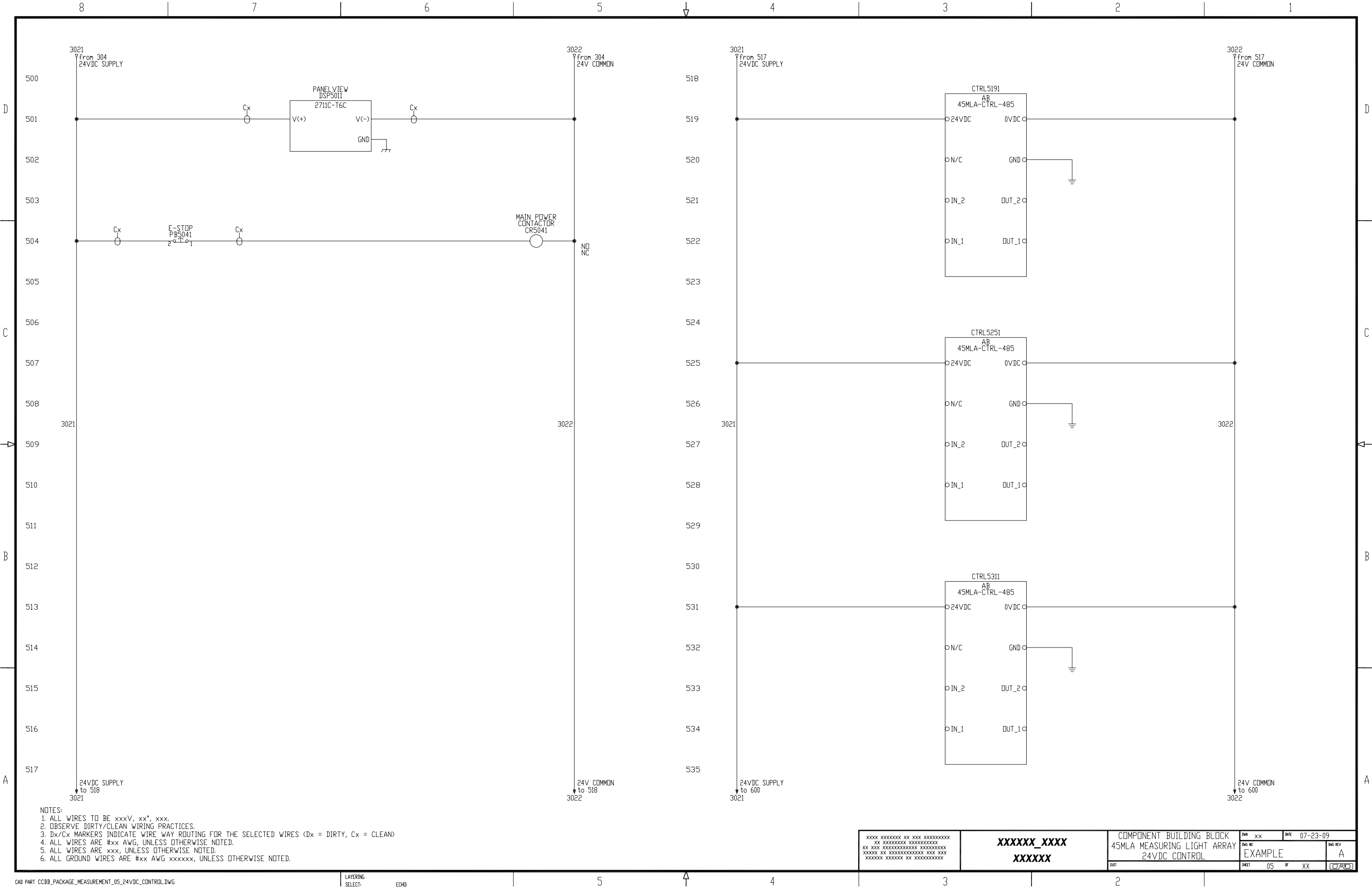
XXXX XXXXXXXX XX XXX XXXXXXXXXX XX XXXXXXXXXX XXXXXXXXXX XX XXX XXXXXXXXXX XXXXXXXXXX XXXXXX XX XXXXXXXXXX XXX XXX XXXXXX XXXXXX XX XXXXXXXXXX	XXXXXX_XXXX XXXXXX	COMPONENT BUILDING BLOCK 45MLA MEASURING LIGHT ARRAY POWER DISTRIBUTION		DWG NO EXAMPLE	DWG REV A
		DIST	SHEET 01 OF XX	DATE 07-23-09	



XXXX XXXXXX XX XXX XXXXXXXXXX XX XXXXXXXXXX XXXXXXXXXX XX XXX XXXXXXXXXXXX XXXXXXXXXX XXXXXX XX XXXXXXXXXXXX XXX XXX XXXXXX XXXXXX XX XXXXXXXXXX	XXXXXX_XXXX XXXXXX	COMPONENT BUILDING BLOCK		DWG	XX	DATE	07-23-09
		45MLA MEASURING LIGHT ARRAY POWER DISTRIBUTION		DWG NO	EXAMPLE		DWG REV A
QIST		SHEET	02	OF	XX	CADD	

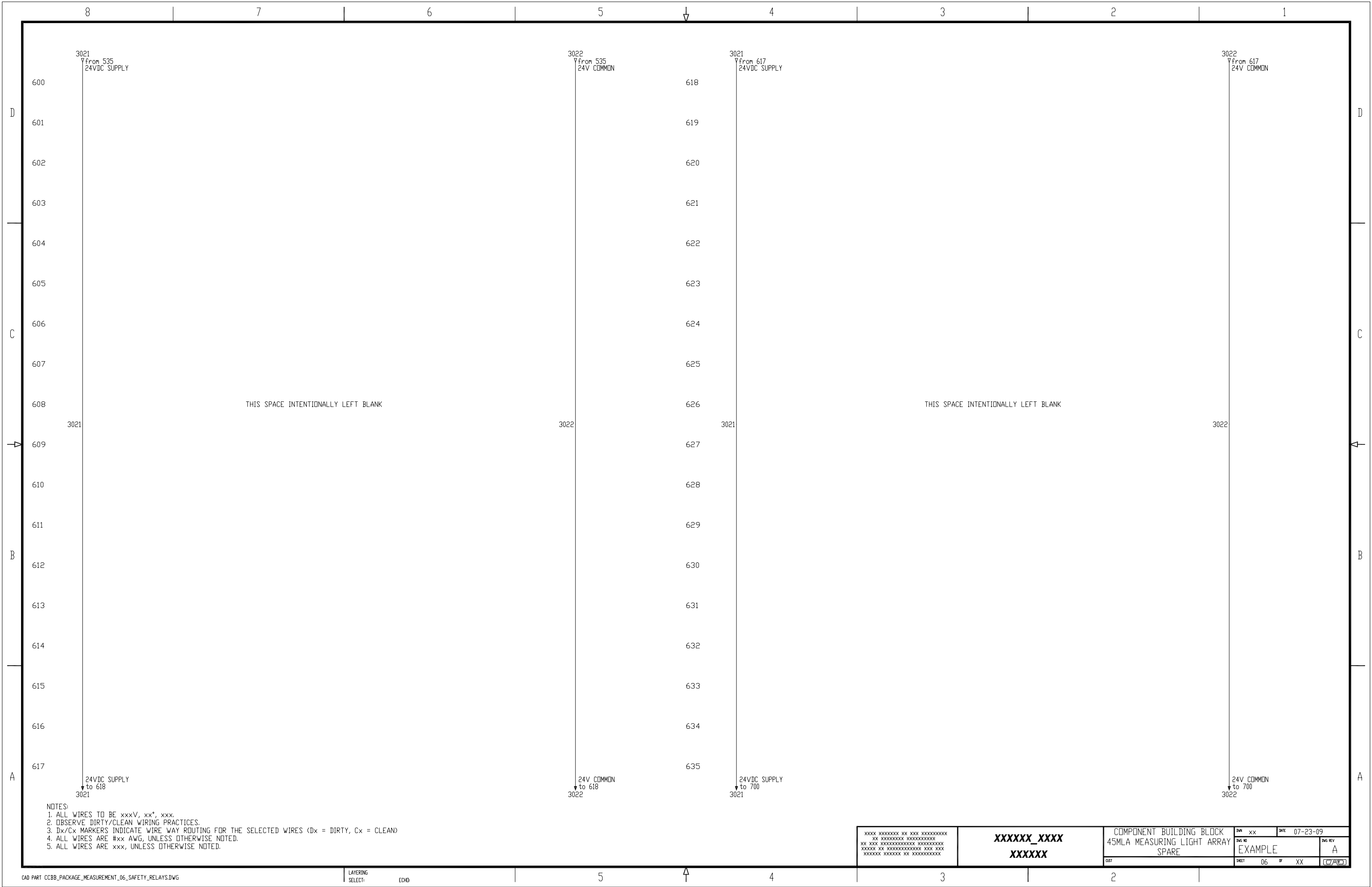


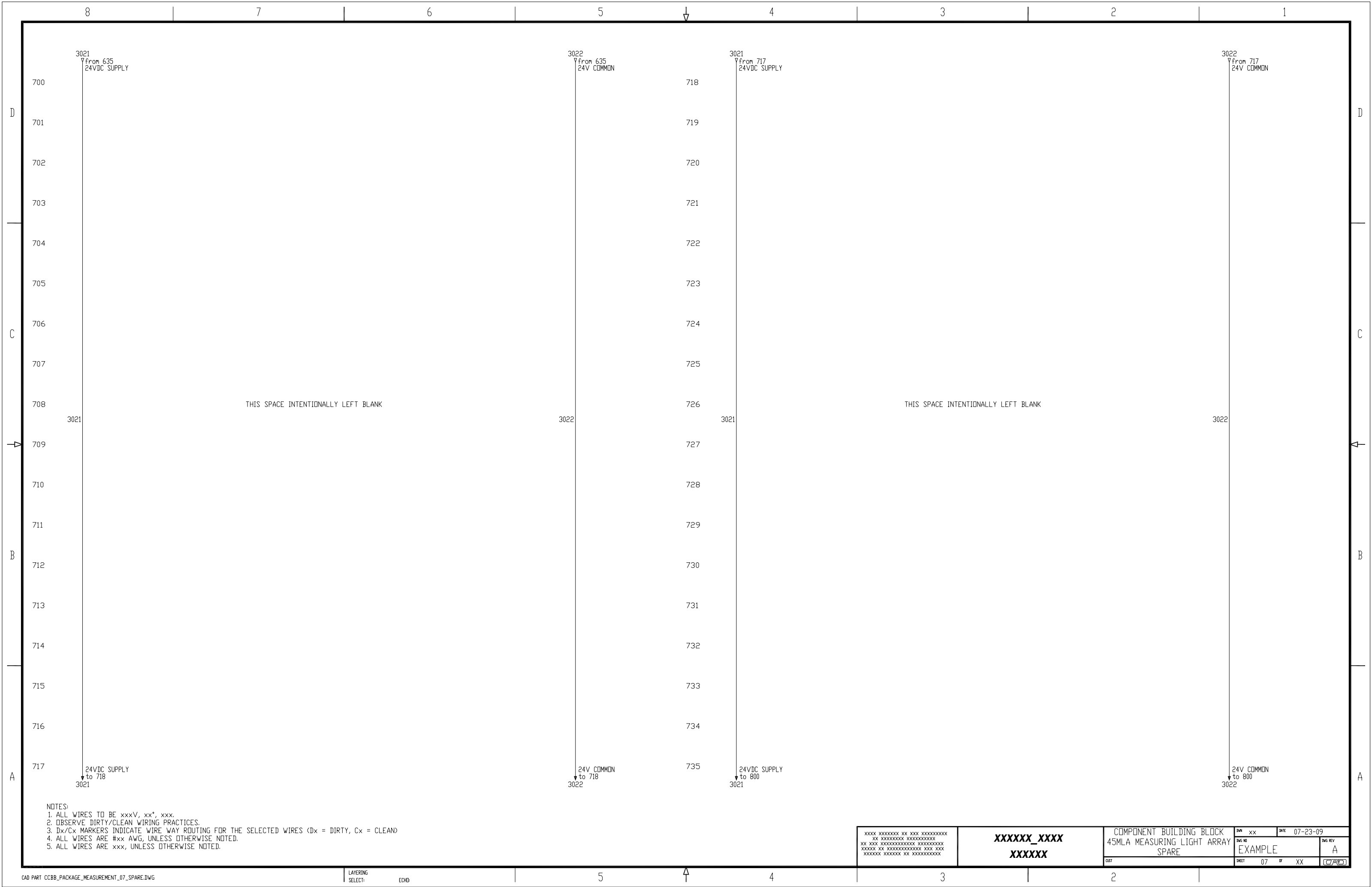


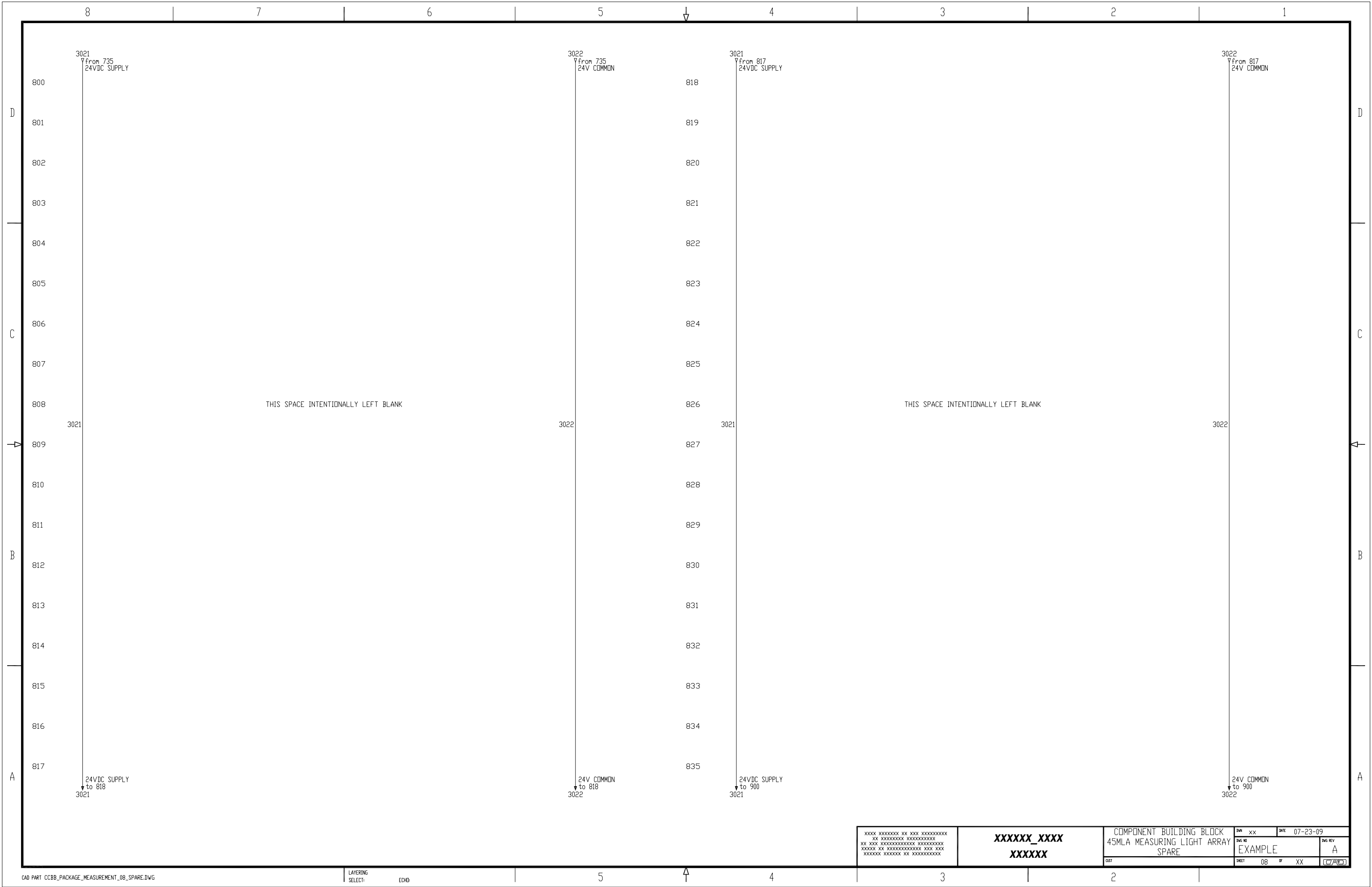


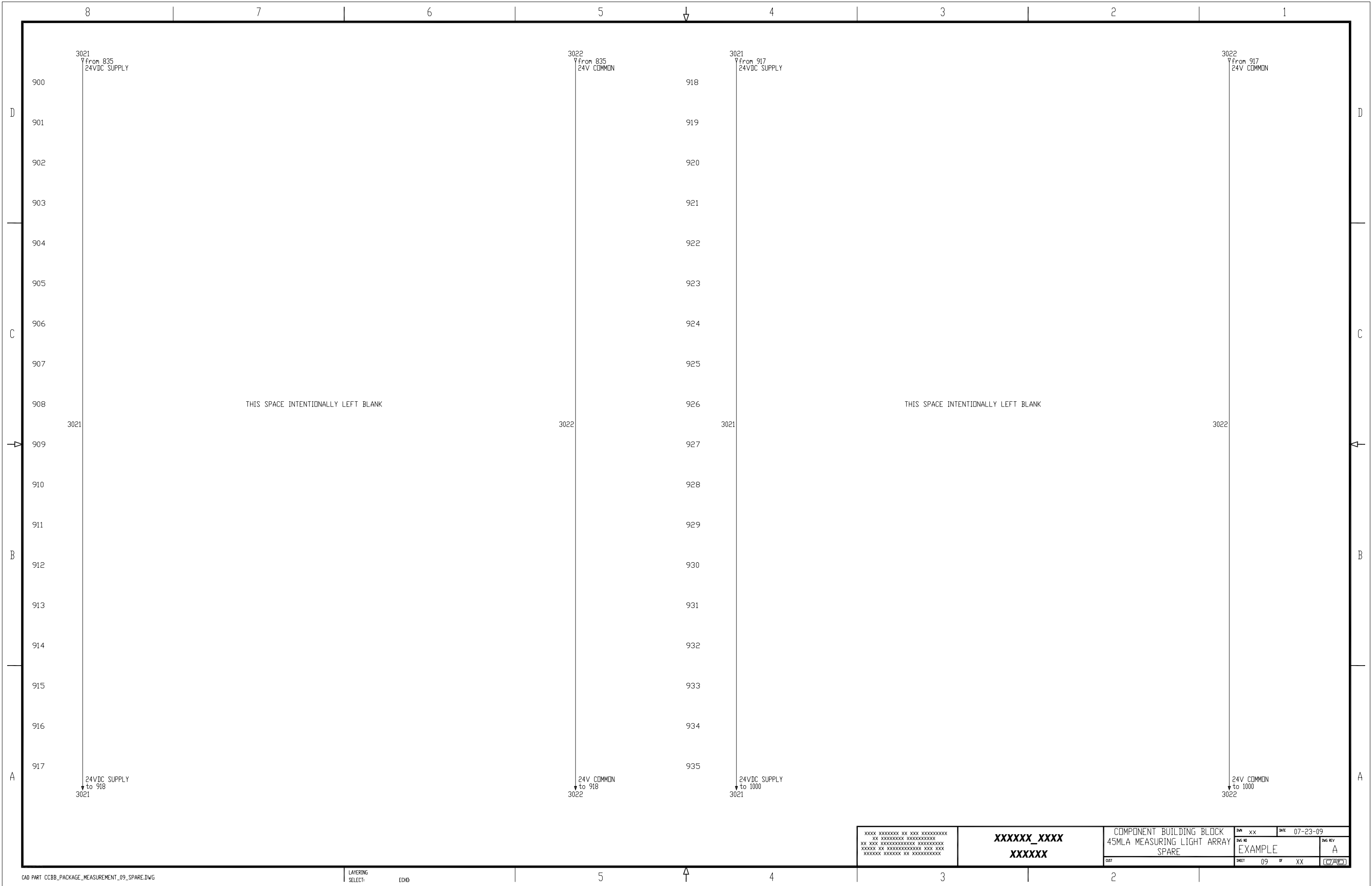
NOTES:
1. ALL WIRES TO BE xxxV, xx*, xxx.
2. OBSERVE DIRTY/CLEAN WIRING PRACTICES.
3. Dx/Cx MARKERS INDICATE WIRE WAY ROUTING FOR THE SELECTED WIRES (Dx = DIRTY, Cx = CLEAN)
4. ALL WIRES ARE #xx AWG, UNLESS OTHERWISE NOTED.
5. ALL WIRES ARE xxx, UNLESS OTHERWISE NOTED.
6. ALL GROUND WIRES ARE #xx AWG xxxxxx, UNLESS OTHERWISE NOTED.

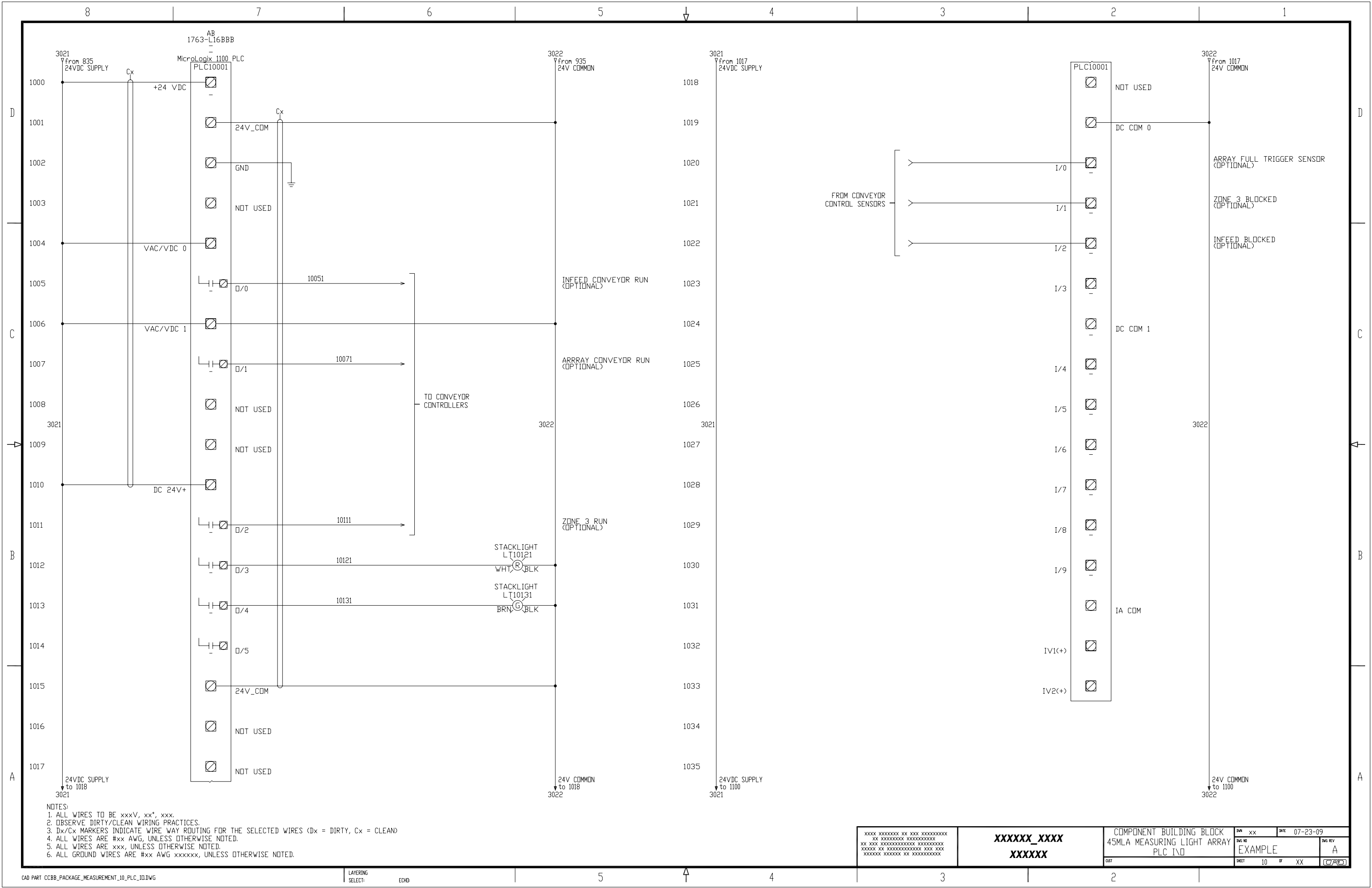
XXXXXX XXXXX XXXXXX XXXXXX	XXXXXX_XXXX XXXXXX	COMPONENT BUILDING BLOCK	DWG XX	DATE 07-23-09
		45MLA MEASURING LIGHT ARRAY	DWG NO EXAMPLE	DWG REV A
		24VDC CONTROL	SHEET 05 OF XX	
CUST		C/A/D		

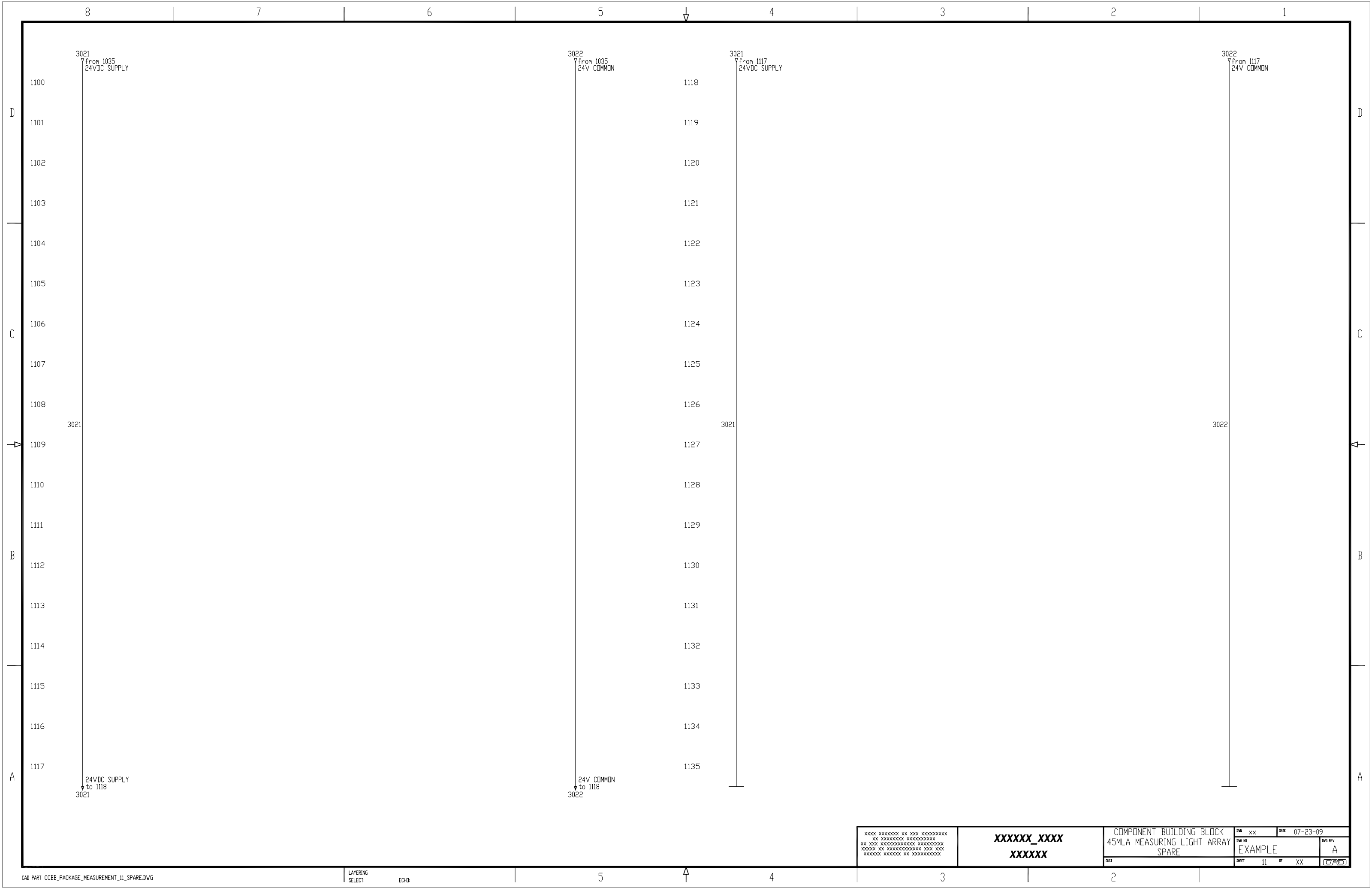






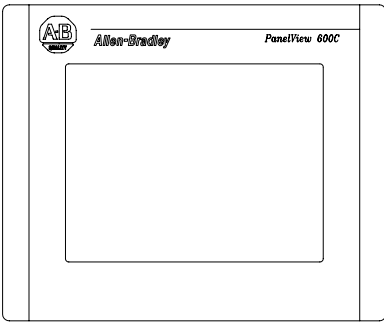






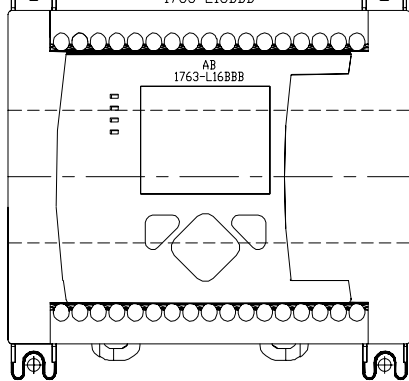
XXXX XXXXXXXX XX XXX XXXXXXXX XX XXXXXXXX XXXXXXXXXX XX XXX XXXXXXXXXX XXXXXXXXXX XXXXX XX XXXXXXXXXXXX XXX XXX XXXXXX XXXXXX XX XXXXXXXXXX	XXXXXX_XXXX XXXXXX	COMPONENT BUILDING BLOCK 45MLA MEASURING LIGHT ARRAY SPARE		DWG NO XXXXXX	DATE 07-23-09
		QTY		DWG REV A	
				SHEET 11	OF XX

HMI PANELVIEW 600C
2711C-T6C

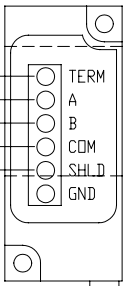


2711P-CBL-EX04

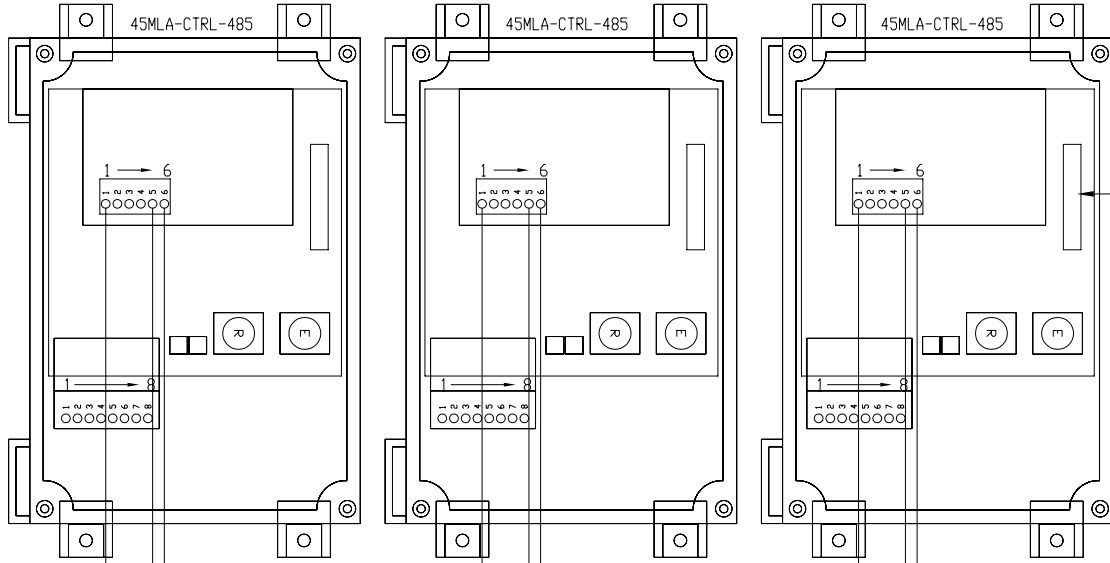
MICROLOGIX 1100
1763-L16BBB



RS-485 BREAKOUT
1763-NC01



45MLA CONTROLLERS



SET DIP SWITCHES FOR
TERMINATING RESISTOR
AT BUS END

CBL12XX

SHLD

USE RS485 NETWORK CABLE OR EQUIVALENT

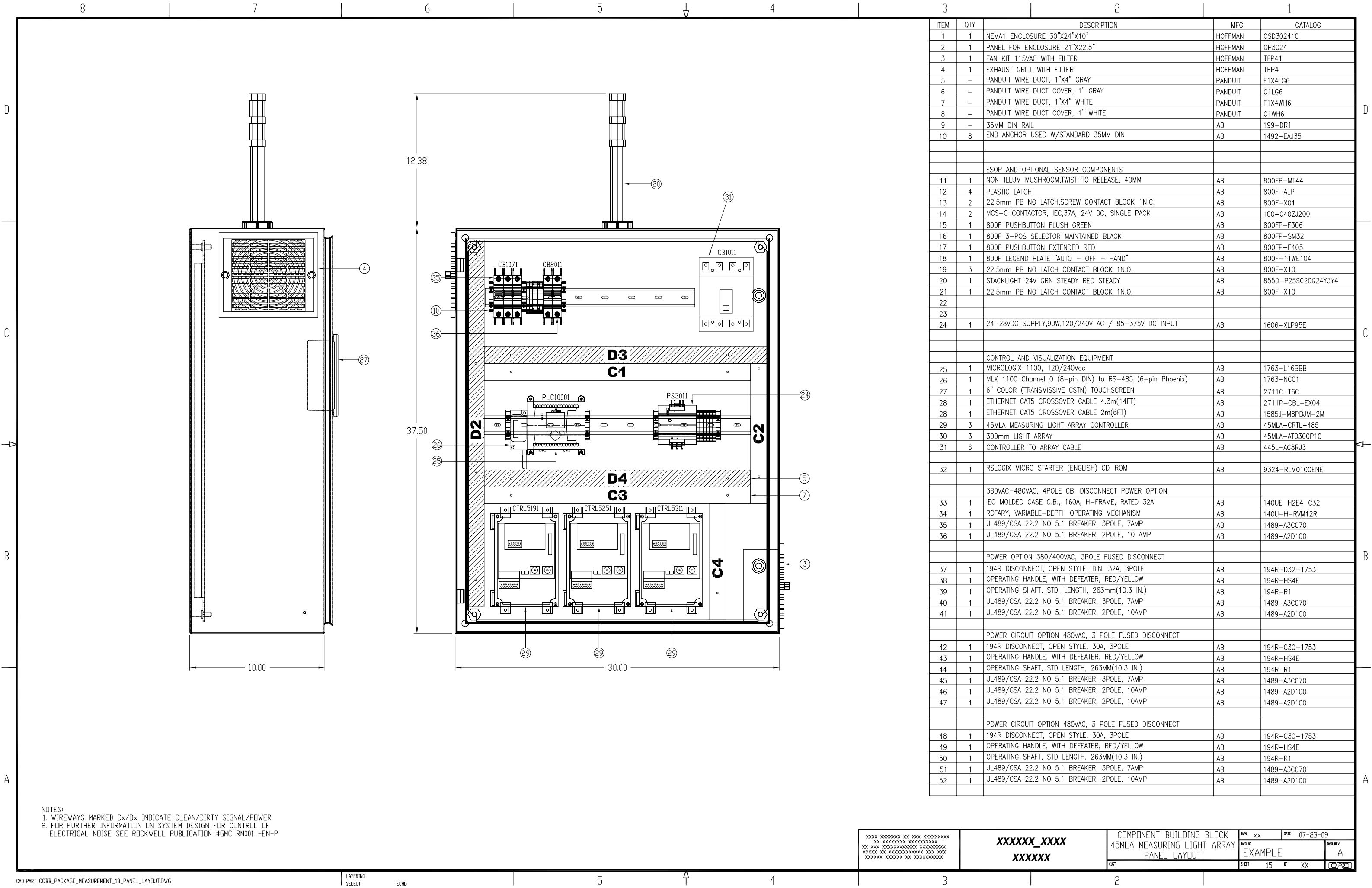
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COMPONENT BUILDING BLOCK
45MLA MEASURING LIGHT ARRAY
COMMUNICATION DIAGRAM

QST

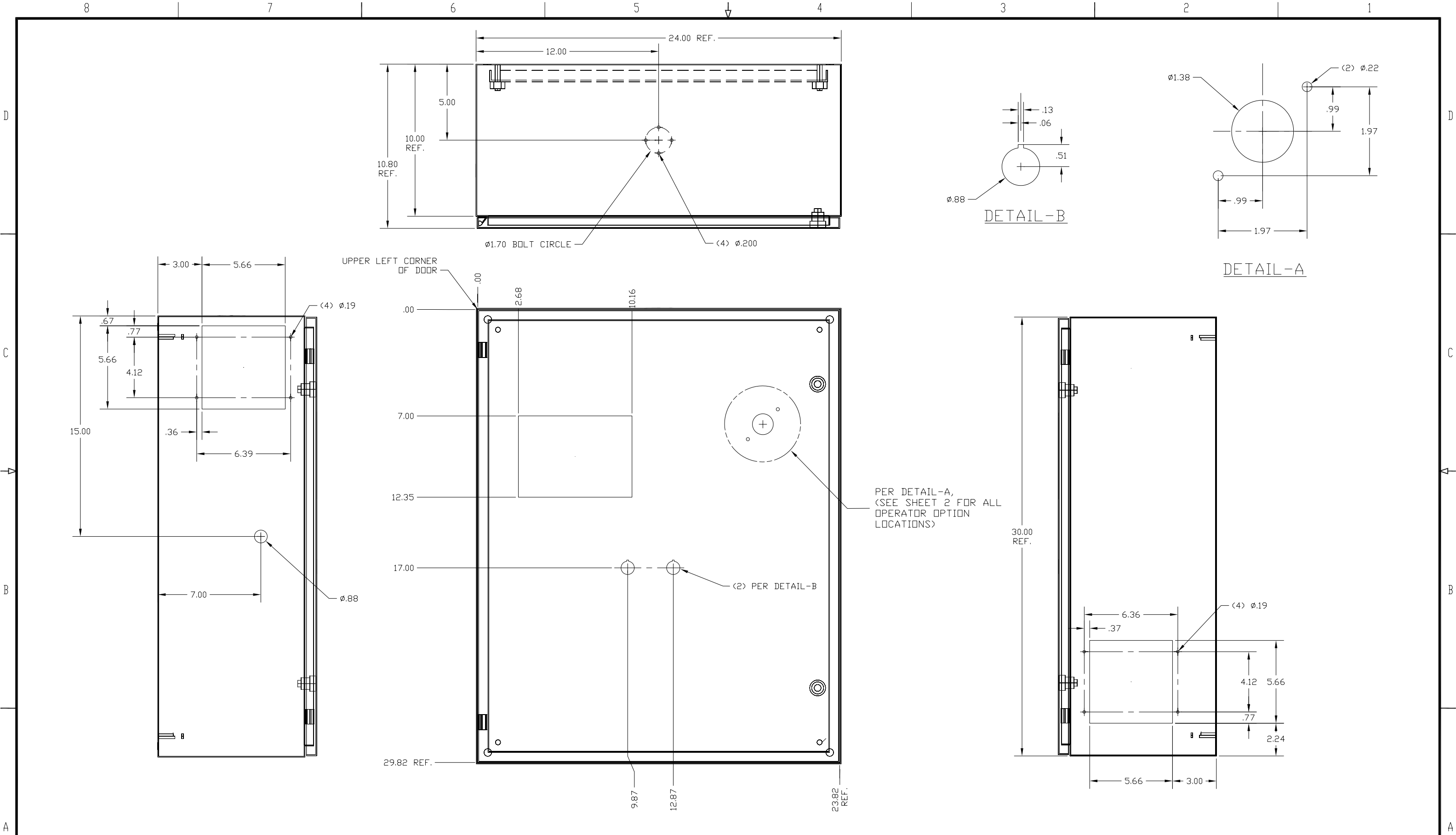
DWG XX	DATE 07-23-09
DWG NO	DWG REV
EXAMPLE	A
SHEET 12	OF XX
DATE	07-23-09



ITEM	QTY	DESCRIPTION	MFG	CATALOG
1	1	NEMA1 ENCLOSURE 30"x24"x10"	HOFFMAN	CSD302410
2	1	PANEL FOR ENCLOSURE 21"x22.5"	HOFFMAN	CP3024
3	1	FAN KIT 115VAC WITH FILTER	HOFFMAN	TFP41
4	1	EXHAUST GRILL WITH FILTER	HOFFMAN	TEP4
5	-	PANDUIT WIRE DUCT, 1"x4" GRAY	PANDUIT	F1X4LG6
6	-	PANDUIT WIRE DUCT COVER, 1" GRAY	PANDUIT	C1LG6
7	-	PANDUIT WIRE DUCT, 1"x4" WHITE	PANDUIT	F1X4WH6
8	-	PANDUIT WIRE DUCT COVER, 1" WHITE	PANDUIT	C1WH6
9	-	35MM DIN RAIL	AB	199-DR1
10	8	END ANCHOR USED W/STANDARD 35MM DIN	AB	1492-EAJ35
		ESOP AND OPTIONAL SENSOR COMPONENTS		
11	1	NON-ILLUM MUSHROOM,TWIST TO RELEASE, 40MM	AB	800FP-MT44
12	4	PLASTIC LATCH	AB	800F-ALP
13	2	22.5mm PB NO LATCH,SCREW CONTACT BLOCK 1N.C.	AB	800F-X01
14	2	MCS-C CONTACTOR, IEC,37A, 24V DC, SINGLE PACK	AB	100-C40ZJ200
15	1	800F PUSHBUTTON FLUSH GREEN	AB	800FP-F306
16	1	800F 3-POS SELECTOR MAINTAINED BLACK	AB	800FP-SM32
17	1	800F PUSHBUTTON EXTENDED RED	AB	800FP-E405
18	1	800F LEGEND PLATE "AUTO - OFF - HAND"	AB	800F-11WE104
19	3	22.5mm PB NO LATCH CONTACT BLOCK 1N.O.	AB	800F-X10
20	1	STACKLIGHT 24V GRN STEADY RED STEADY	AB	855D-P25SC20G24Y3Y4
21	1	22.5mm PB NO LATCH CONTACT BLOCK 1N.O.	AB	800F-X10
22				
23				
24	1	24-28VDC SUPPLY,90W,120/240V AC / 85-375V DC INPUT	AB	1606-XLP95E
		CONTROL AND VISUALIZATION EQUIPMENT		
25	1	MICROLOGIX 1100, 120/240Vac	AB	1763-L16BBB
26	1	MLX 1100 Channel 0 (8-pin DIN) to RS-485 (6-pin Phoenix)	AB	1763-NC01
27	1	6" COLOR (TRANSMISSIVE CSTN) TOUCHSCREEN	AB	2711C-T6C
28	1	ETHERNET CAT5 CROSSOVER CABLE 4.3m(14FT)	AB	2711P-CBL-EX04
28	1	ETHERNET CAT5 CROSSOVER CABLE 2m(6FT)	AB	1585J-M8PBJM-2M
29	3	45MLA MEASURING LIGHT ARRAY CONTROLLER	AB	45MLA-CRTL-485
30	3	300mm LIGHT ARRAY	AB	45MLA-ATO300P10
31	6	CONTROLLER TO ARRAY CABLE	AB	445L-AC8RJ3
32	1	RSLOGIX MICRO STARTER (ENGLISH) CD-ROM	AB	9324-RLM0100ENE
		380VAC-480VAC, 4POLE CB. DISCONNECT POWER OPTION		
33	1	IEC MOLDED CASE C.B., 160A, H-FRAME, RATED 32A	AB	140UE-H2E4-C32
34	1	ROTARY, VARIABLE-DEPTH OPERATING MECHANISM	AB	140U-H-RVM12R
35	1	UL489/CSA 22.2 NO 5.1 BREAKER, 3POLE, 7AMP	AB	1489-A3C070
36	1	UL489/CSA 22.2 NO 5.1 BREAKER, 2POLE, 10 AMP	AB	1489-A2D100
		POWER OPTION 380/400VAC, 3POLE FUSED DISCONNECT		
37	1	194R DISCONNECT, OPEN STYLE, DIN, 32A, 3POLE	AB	194R-D32-1753
38	1	OPERATING HANDLE, WITH DEFEATER, RED/YELLOW	AB	194R-HS4E
39	1	OPERATING SHAFT, STD. LENGTH, 263mm(10.3 IN.)	AB	194R-R1
40	1	UL489/CSA 22.2 NO 5.1 BREAKER, 3POLE, 7AMP	AB	1489-A3C070
41	1	UL489/CSA 22.2 NO 5.1 BREAKER, 2POLE, 10AMP	AB	1489-A2D100
		POWER CIRCUIT OPTION 480VAC, 3 POLE FUSED DISCONNECT		
42	1	194R DISCONNECT, OPEN STYLE, 30A, 3POLE	AB	194R-C30-1753
43	1	OPERATING HANDLE, WITH DEFEATER, RED/YELLOW	AB	194R-HS4E
44	1	OPERATING SHAFT, STD LENGTH, 263MM(10.3 IN.)	AB	194R-R1
45	1	UL489/CSA 22.2 NO 5.1 BREAKER, 3POLE, 7AMP	AB	1489-A3C070
46	1	UL489/CSA 22.2 NO 5.1 BREAKER, 2POLE, 10AMP	AB	1489-A2D100
47	1	UL489/CSA 22.2 NO 5.1 BREAKER, 2POLE, 10AMP	AB	1489-A2D100
		POWER CIRCUIT OPTION 480VAC, 3 POLE FUSED DISCONNECT		
48	1	194R DISCONNECT, OPEN STYLE, 30A, 3POLE	AB	194R-C30-1753
49	1	OPERATING HANDLE, WITH DEFEATER, RED/YELLOW	AB	194R-HS4E
50	1	OPERATING SHAFT, STD LENGTH, 263MM(10.3 IN.)	AB	194R-R1
51	1	UL489/CSA 22.2 NO 5.1 BREAKER, 3POLE, 7AMP	AB	1489-A3C070
52	1	UL489/CSA 22.2 NO 5.1 BREAKER, 2POLE, 10AMP	AB	1489-A2D100

NOTES:
1. WIREWAYS MARKED Cx/Dx INDICATE CLEAN/DIRTY SIGNAL/POWER
2. FOR FURTHER INFORMATION ON SYSTEM DESIGN FOR CONTROL OF ELECTRICAL NOISE SEE ROCKWELL PUBLICATION #GMC RM001_-EN-P

XXXX XXXXXXXX XX XXX XXXXXXXXXX XX XXXXXXXXXX XXXXXXXXXX XXXXXX XX XXXXXXXXXX XXX XXX XXXXXX XXXXXXXX XX XXXXXXXXXX	XXXXXX_XXXX XXXXXX	COMPONENT BUILDING BLOCK 45MLA MEASURING LIGHT ARRAY PANEL LAYOUT	DWG NO XX DATE 07-23-09	DWG REV EXAMPLE A
0001	0001	0001	0001	0001



-01	1	HOFFMAN PART CSD302410	ANSI 61 GRAY
PART NO.	CHG. CHAR.	MATERIAL	SURFACE TREATMENT

CAD PART CCBB_PACKAGE_MEASUREMENT_14_ENCLOSURE_DOOR_LAYOUT.DWG

LAYERING
SELECT:

ECHO:

XXXX XXXXXXXX XX XXX XXXXXXXXXX
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XXXXXX

COMPONENT BUILDING BLOCK
45MLA MEASURING LIGHT ARRAY

QIST

DWG XX

DATE 07-23-09

DWG NO

EXAMPLE

DWG REV

A

SHEET

OF

XX

CAD