

- 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.

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		DRIVE POWER DISTRIBUTION		DWG REV: EXAMPLE	DWG REV: XX
		SHEET: 1	OF: XX		

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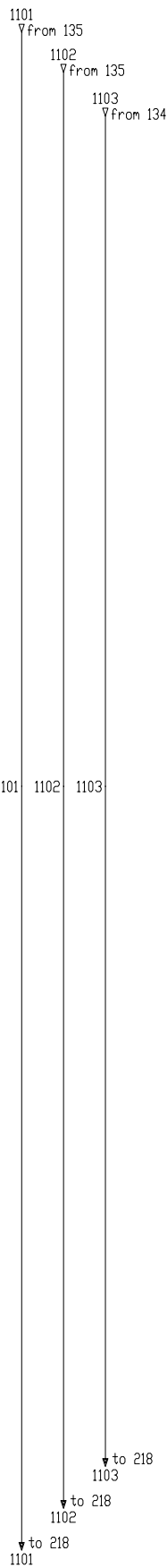
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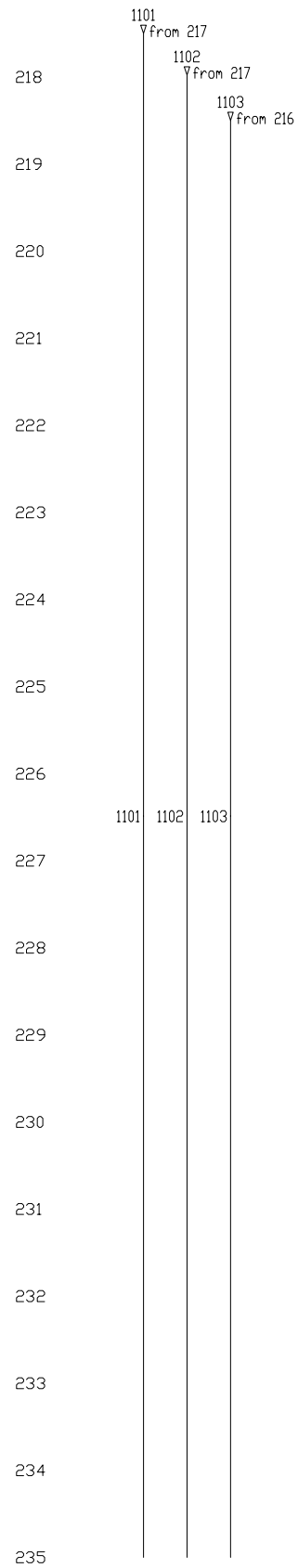
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		DWT	DWT REV EXAMPLE XX SHEET 2 OF XX

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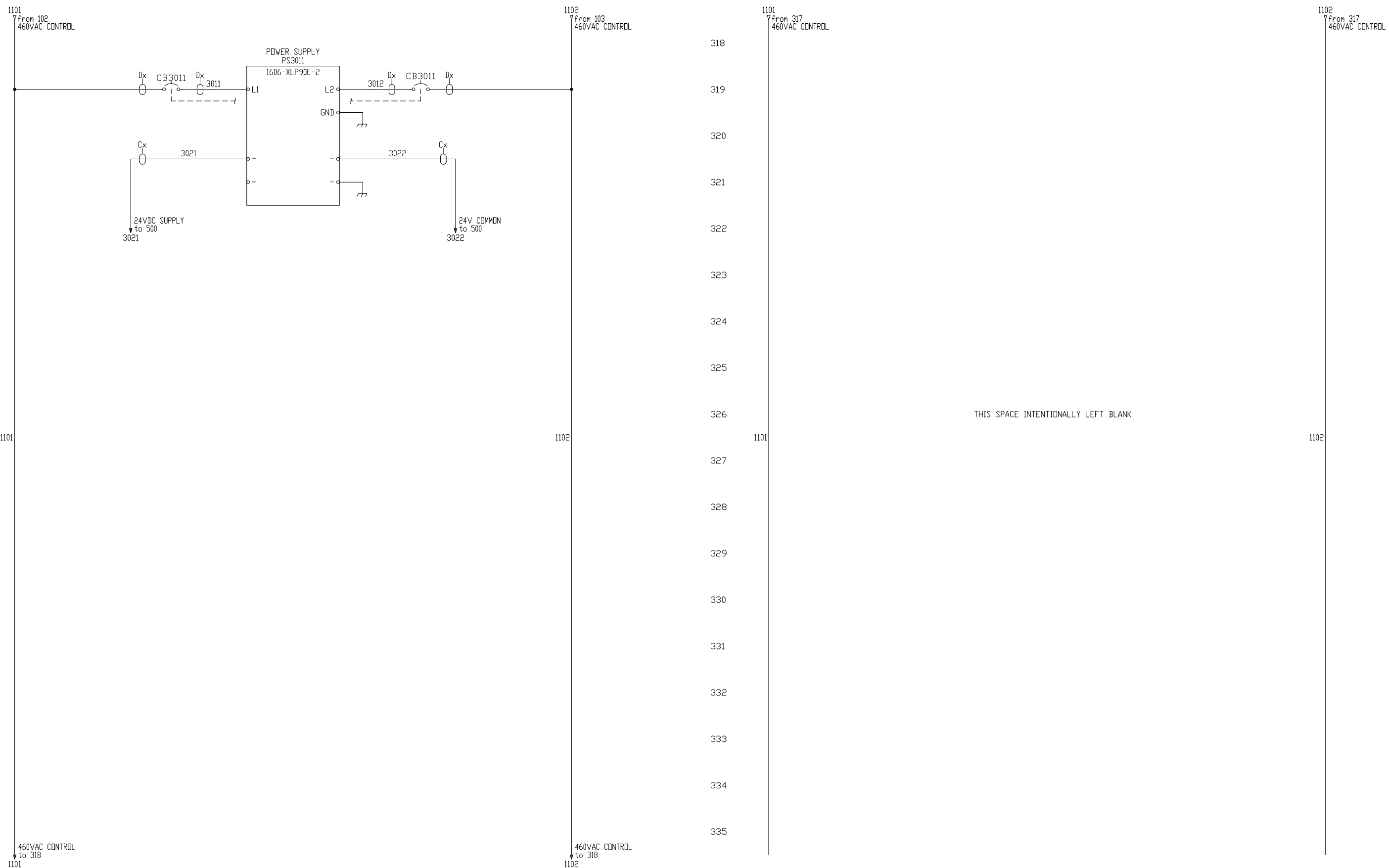
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XXXXX_XXXX XXXXXX	CONNECTED COMPONENTS BUILDING BLOCKS POSITION 460VAC CONTROL	DWG XX DATE 10-17-08	Dwg REV EXAMPLE XX
	SHEET 3 OF XX	(CAD)	

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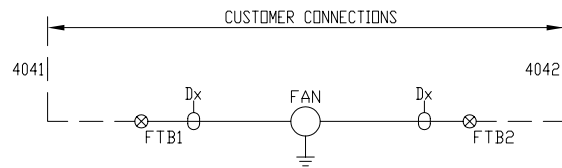
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1024
from 105
277VAC CONTROL

1053
from 106
NEUTRAL

1024
from 417
277VAC CONTROL

1053
from 417
NEUTRAL



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1024

1053

1024

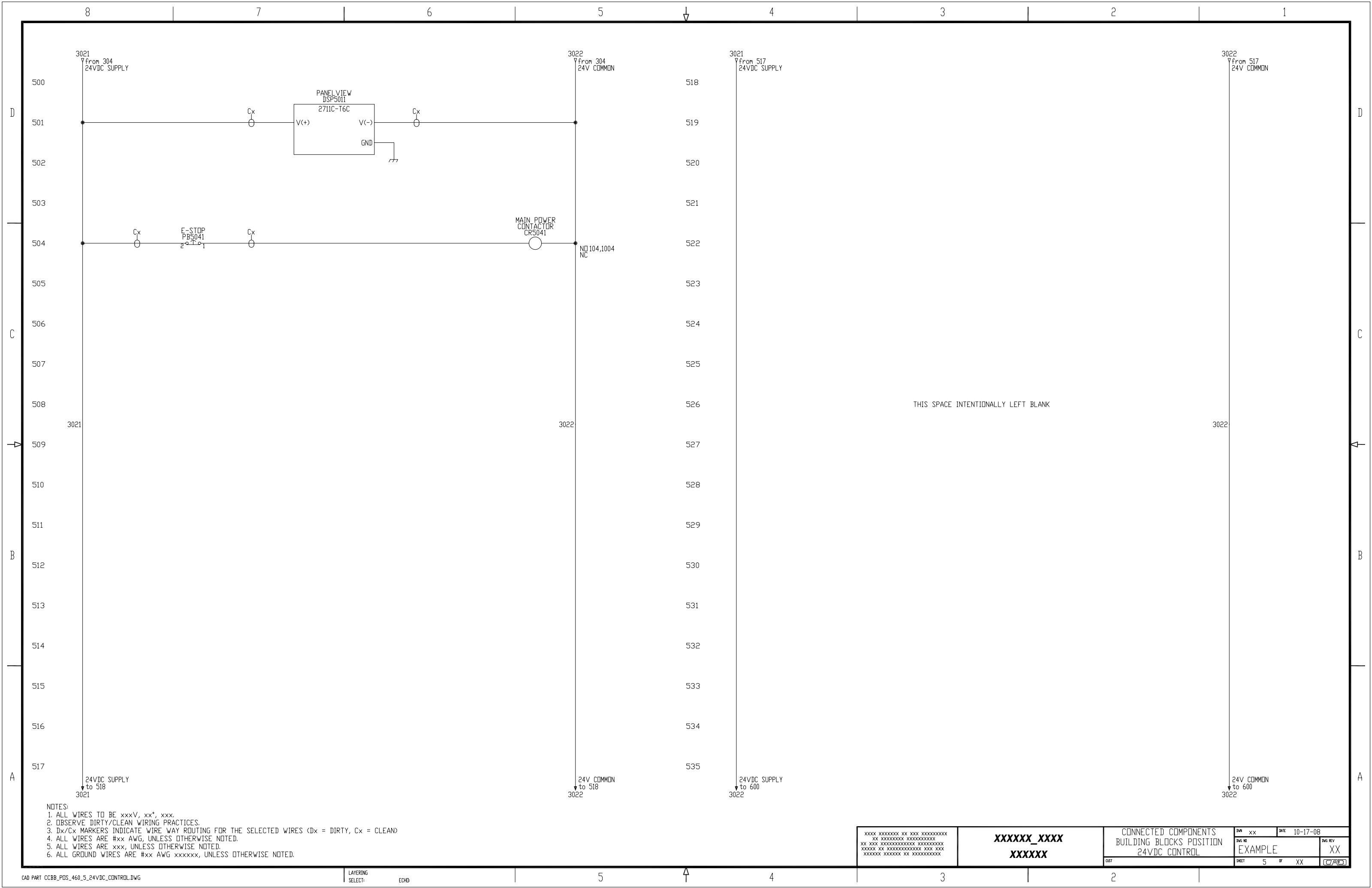
1053

277VAC CONTROL
to 418
1024

NEUTRAL
to 418
1053

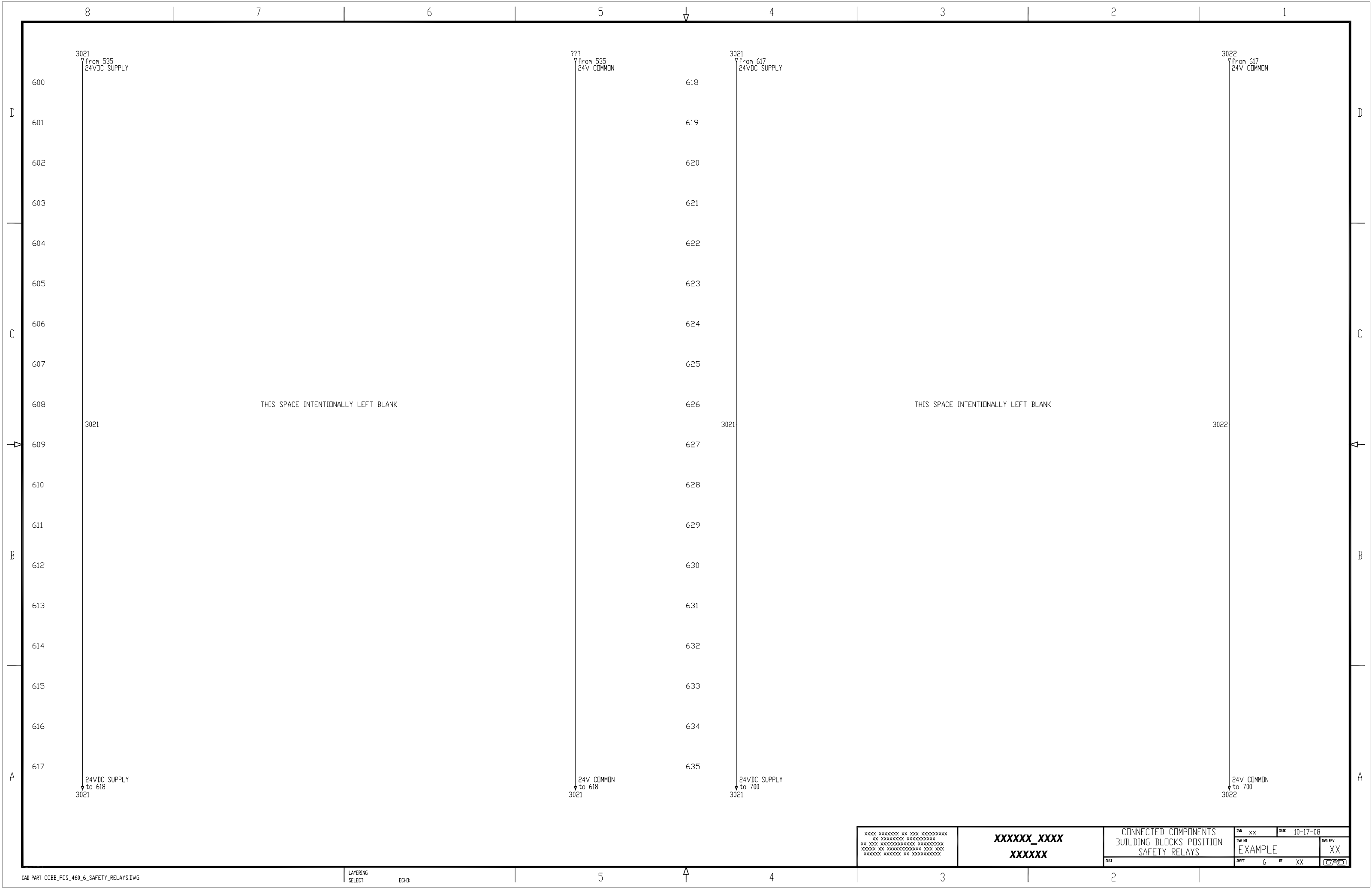
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XXXXX_XXXX XXXXXX	CONNECTED COMPONENTS BUILDING BLOCKS POSITION 277VAC CONTROL	DWG XX DATE 10-17-08
	DWT	DWG REV EXAMPLE XX
SHEET 4 OF XX		(CAD)



- NOTES:
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 5. ALL WIRES ARE xxx, UNLESS OTHERWISE NOTED.
 6. ALL GROUND WIRES ARE #xx AWG xxxxxx, UNLESS OTHERWISE NOTED.

XXXXX_XXXX XXXXXX	CONNECTED COMPONENTS BUILDING BLOCKS POSITION 24VDC CONTROL	DWG XX DATE 10-17-08 Dwg ID EXAMPLE Dwg REV XX
	SHEET 5 OF XX	(CAD)



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		DWT	SHEET 6 OF XX	DWG REV EXAMPLE	XX

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1

3021
from 735
24VDC SUPPLY

3022
from 735
24V COMMON

3021
from 817
24VDC SUPPLY

3022
from 817
24V COMMON

800
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835

24VDC SUPPLY
to 818
3021

24V COMMON
to 818
3022

24VDC SUPPLY
??
3021

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CONNECTED COMPONENTS
BUILDING BLOCKS POSITION
DRIVES I/O

DWG XX DATE 10-17-08
DWG REV EXAMPLE XX

SHEET 8 OF XX

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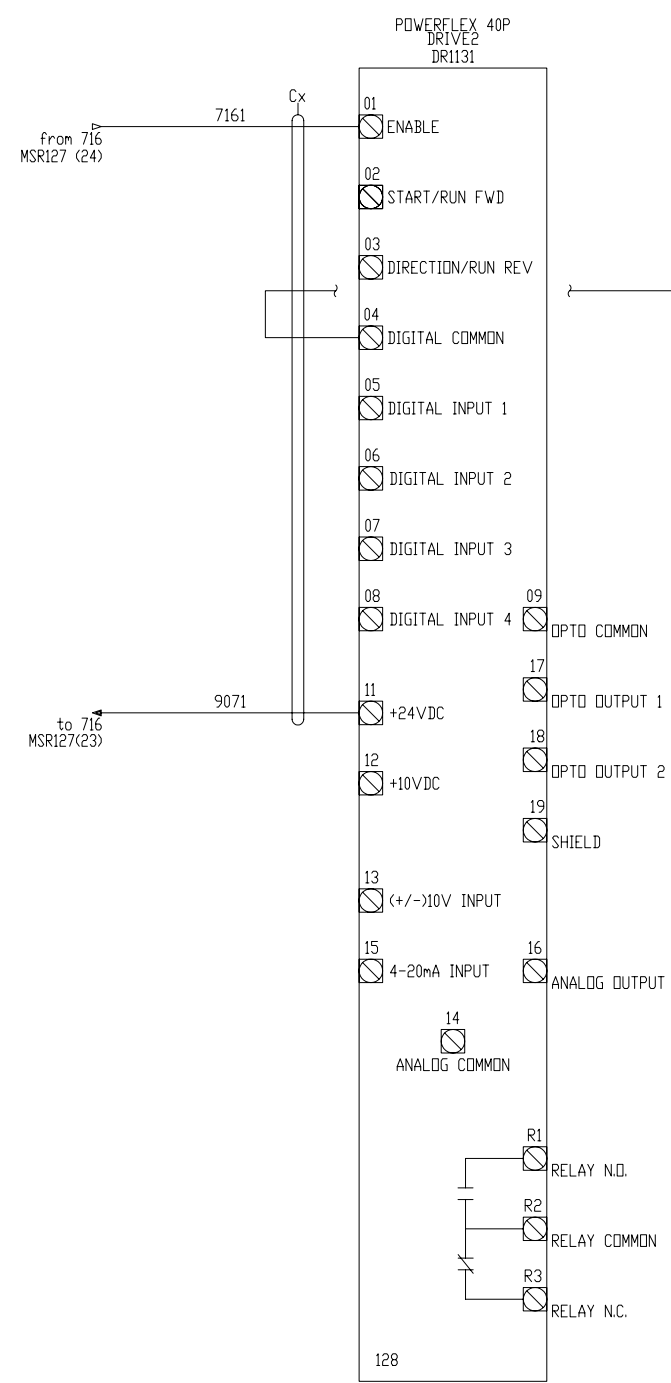
D

C

B

A

3021
from 835
24VDC SUPPLY



3022
from 835
24V COMMON

3022

24V COMMON
to 918
3022

3021
from 917
24VDC SUPPLY

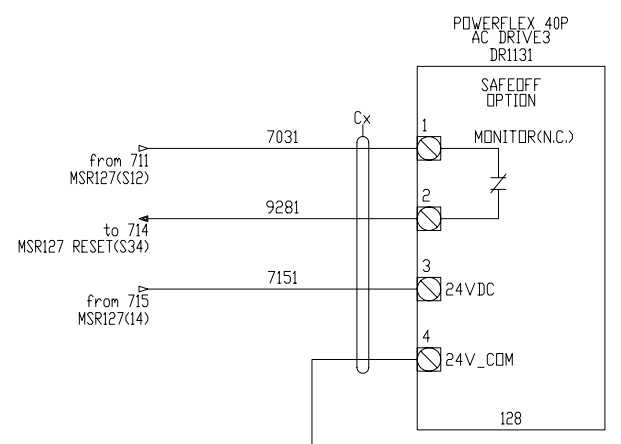
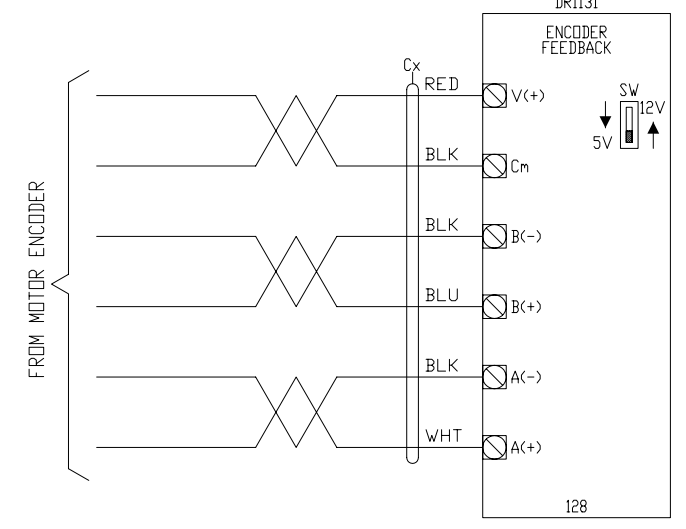
3021

24VDC SUPPLY
to 1000
3021

3022
from 917
24V COMMON

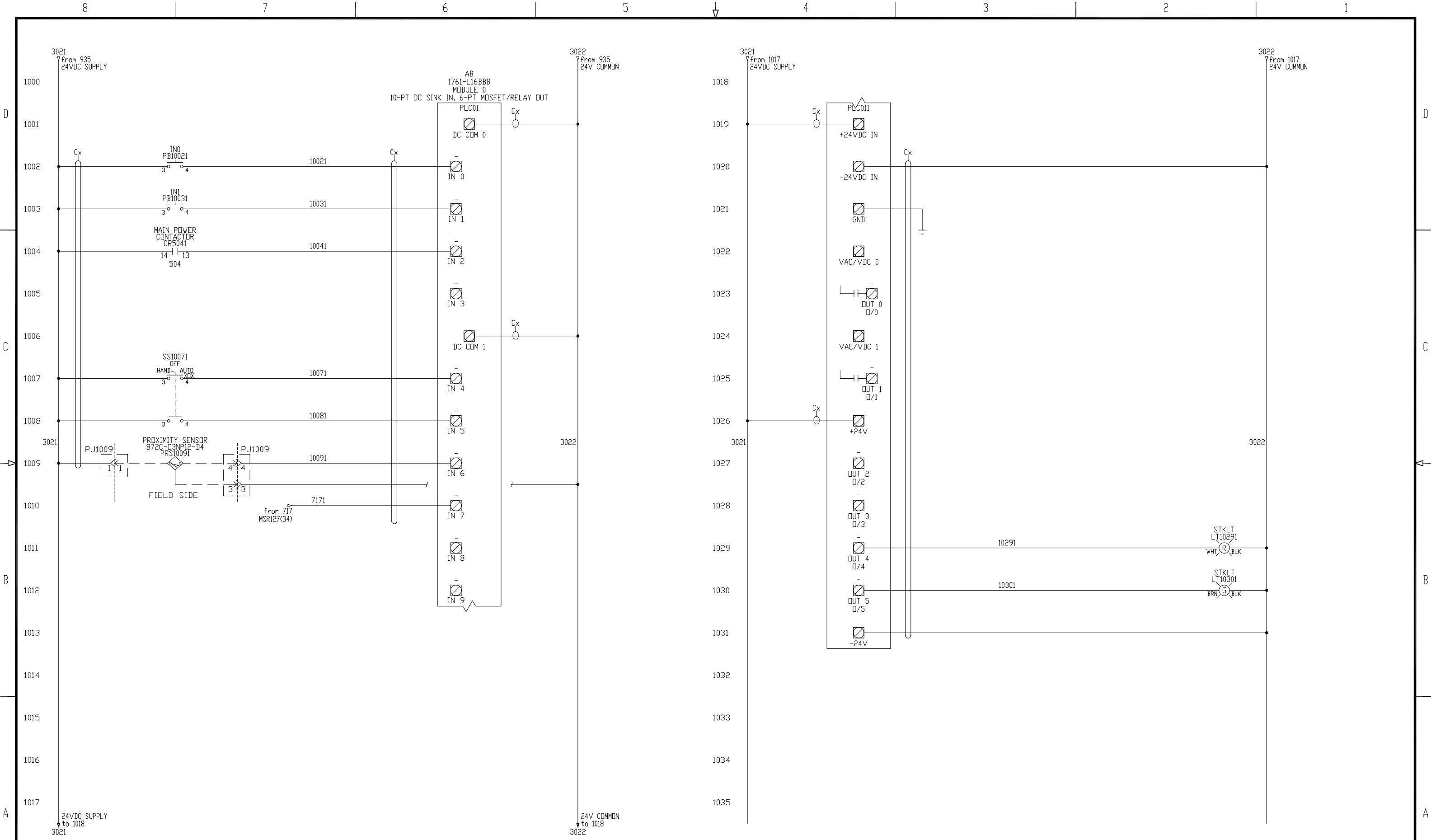
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24V COMMON
to 1000
3022



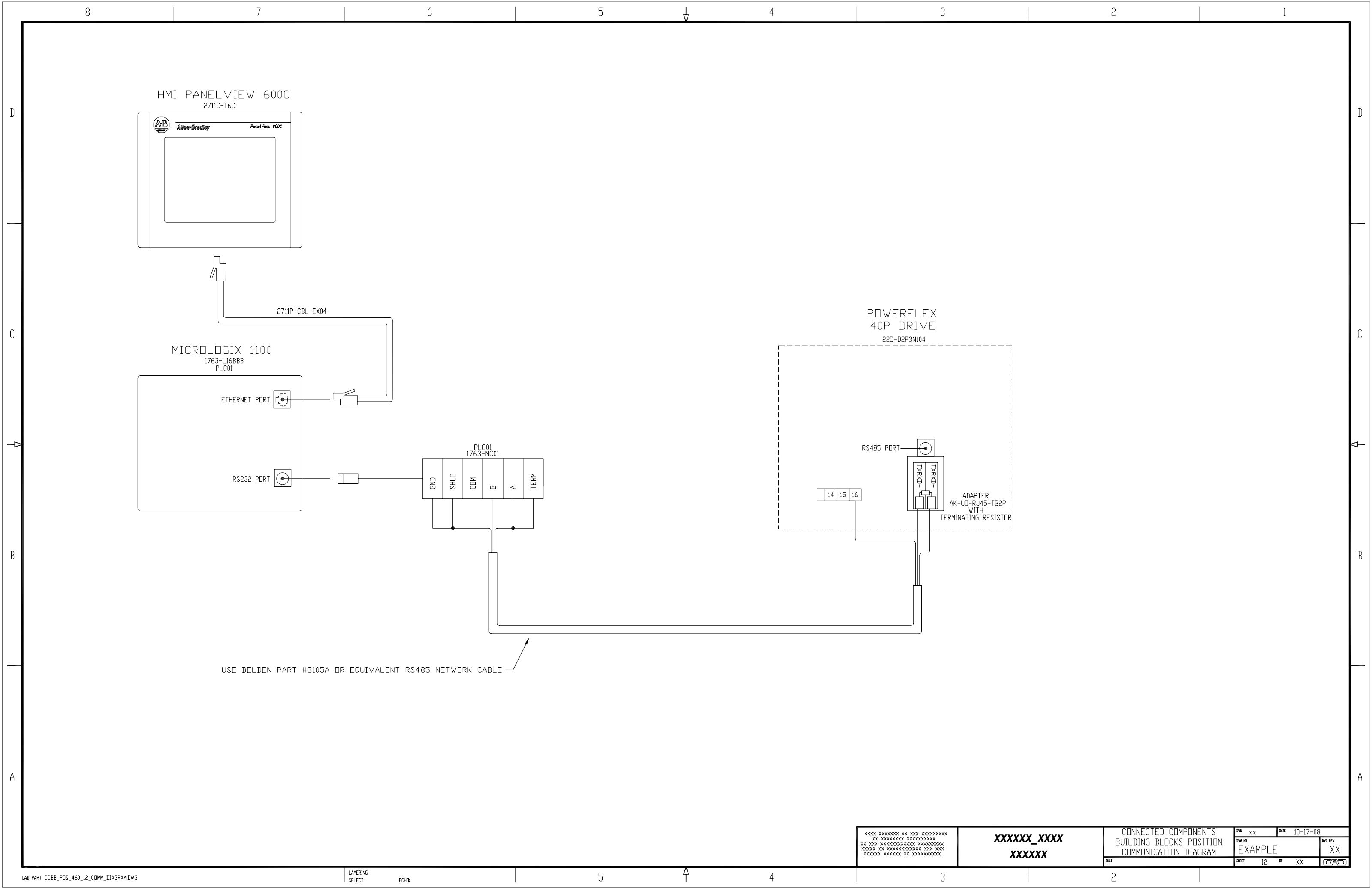
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XXXX XXXXXXXX XX XXX XXXXXXXXXXXX XX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXX XX XXXXXXXXXXXXXXXX XXX XXX XXXXXXXX XXXXXXXX XX XXXXXXXXXXXX	XXXXXX_XXXX XXXXXX	CONNECTED COMPONENTS BUILDING BLOCKS POSITION POWERFLEX 40P I/O	DWG XX DATE 10-17-08 EXAMPLE XX
			SHEET 9 OF XX



- NOTES:
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XXXX XXXXXXXX XX XXX XXXXXXXXXXXX XX XXXXXXXXXXXXXXXXXXXXXXXXXXXX XX XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXX XX XXXXXXXXXXXXXXXXXXXX XXXXXXX XXXXXXX XX XXXXXXXXXXXX	XXXXXX_XXXX XXXXXX	CONNECTED COMPONENTS BUILDING BLOCKS POSITION PLC I/O	DWG: XX DATE: 10-17-08 DWT: 10 OF: XX	DWG REV: XX (C/A)
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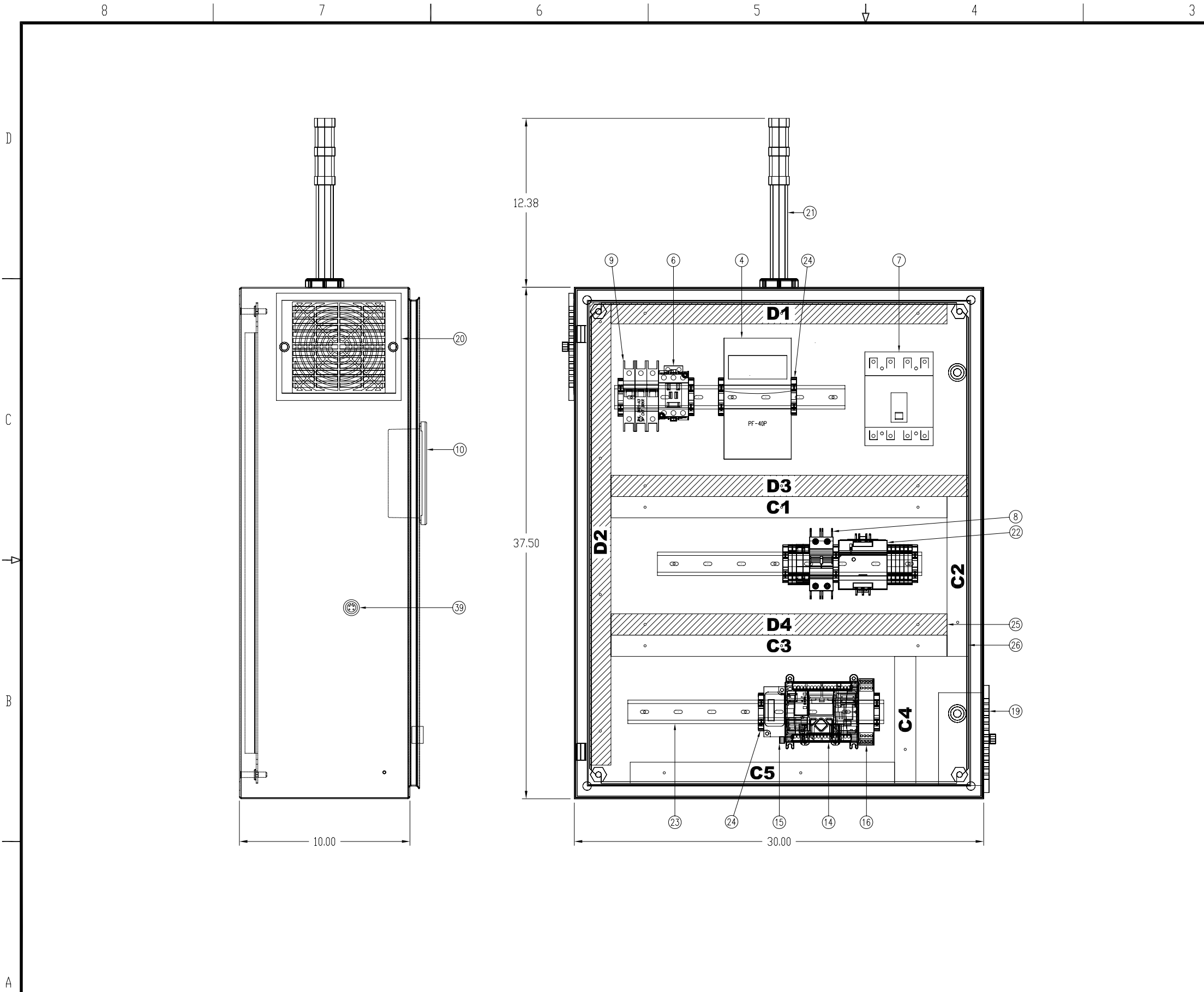


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CONNECTED COMPONENTS
 BUILDING BLOCKS POSITION
 COMMUNICATION DIAGRAM

DWG NO	DATE	DWG REV
EXAMPLE	10-17-08	XX
SHEET	OF	DATE
12	XX	10-17-08



ITEM	QTY	DESCRIPTION	MFG	CATALOG
1	1	NEMA1 ENCLOSURE 30"x24"x10"	HOF	CSD302410
2	1	PANEL FOR ENCLOSURE 21"x22.5"	HOF	CP3024
3				
4	1	POWERFLEX-40P DRIVE 480VAC/2.3A/1HP	AB	22D-D2P3N104
5				
6	1	CONTACTOR MCS-C, IEC,37A, 24V DC, SINGLE PACK	AB	100-C40ZJ200
7	1	CIRCUIT BREAKER IEC, H-FRAME T/M 32 AMP	AB	140UE-H2E4-C32
8	1	CIRCUIT BREAKER 2 POLE 10 AMP 480/277VAC	AB	1489-A2D100
9	1	CIRCUIT BREAKER 3 POLE 7 AMP 480/277VAC	AB	1489-A3C070
10	1	6" COLOR (TRANSMISSIVE CSTN) TOUCHSCREEN	AB	2711C-T6C
11				
12				
13				
14	1	MICROLOGIX 1100, 24VDC POWER	AB	1763-L16BBB
15	1	CABLE MLX 1100 CH. 0(8-pin DIN) TO RS485(6-pin PHOENIX)	AB	1763-NC01
16	1	MSR 127 SAFETY RELAY	AB	440R-N23132
17				
18	1	STRATIX 6000 8 PORT ETHERNET SWITCH(1783-EMS08T)	AB	9300-8EDM
19	1	FAN KIT 115V WITH FILTER	HOFFMAN	TFP41
20	1	EXHAUST GRILL WITH FILTER	HOFFMAN	TEP4
21	1	STACKLIGHT 30mm S.M. 24VAC/DC GRN, RED LED	AB	885D-P00SC20G24Y3Y4
22	1	COMPACT POWER SUPPLY, 24VDC OUTPUT, 120/240VAC INPUT	AB	1606-XLP95E
23	3	35mm DIN RAIL	AB	199-DR1
24	9	END ANCHOR USED w/STANDARD 35mm DIN	AB	1492-EAJ35
25	-	PANDUIT WIRE DUCT, 1"x4" GRAY	PANDUIT	F1X4LG6
26	-	PANDUIT WIRE DUCT COVER, 1" GRAY	PANDUIT	C1LG6
27	-	PANDUIT WIRE DUCT, 1" x4" WHITE	PANDUIT	F1X4WH6
28	-	PANDUIT WIRE DUCT COVER, 1" WHITE	PANDUIT	C1WH6
29	1	3 POS. SELECTOR SWITCH, MAINTAINED, BLACK	AB	800FP-SM32
30	1	MUSHROOM HEAD PUSHBUTTON, TWIST TO RELEASE	AB	800FP-MT44
31	1	E-STOP LEGEND PLATE	AB	800F-15YE112
32	1	SELECTOR SWITCH LEGEND PLATE, AUTO-OFF-HAND	AB	800F-11WE104
33	1	PUSHBUTTON, EXTENDED HEAD, RED	AB	800FP-E405
34	1	PUSHBUTTON, FLUSH HEAD, GREEN	AB	800FP-F306
35	4	CONTACT BLOCK, N.O.	AB	800F-X10
36	2	CONTACT BLOCK, N.C.	AB	800F-X01
37	4	PLASTIC MOUNTING LATCH	AB	800F-ALP
38	1	CIRCUIT BREAKER OPERATOR W/ROD	AB	140J-H-RVM12R
39	1	RECEPTACLE (M12), FEMALE, STRAIGHT, 4 PIN, 22AWG	AB	888D-F4AC1-1

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

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CONNECTED COMPONENTS
 BUILDING BLOCKS POSITION
 PANEL LAYOUT

DWG NO	DATE	DWG REV
EXAMPLE	10-17-08	XX
SHEET	OF	
13	XX	

8 7 6 5 4 3 2 1

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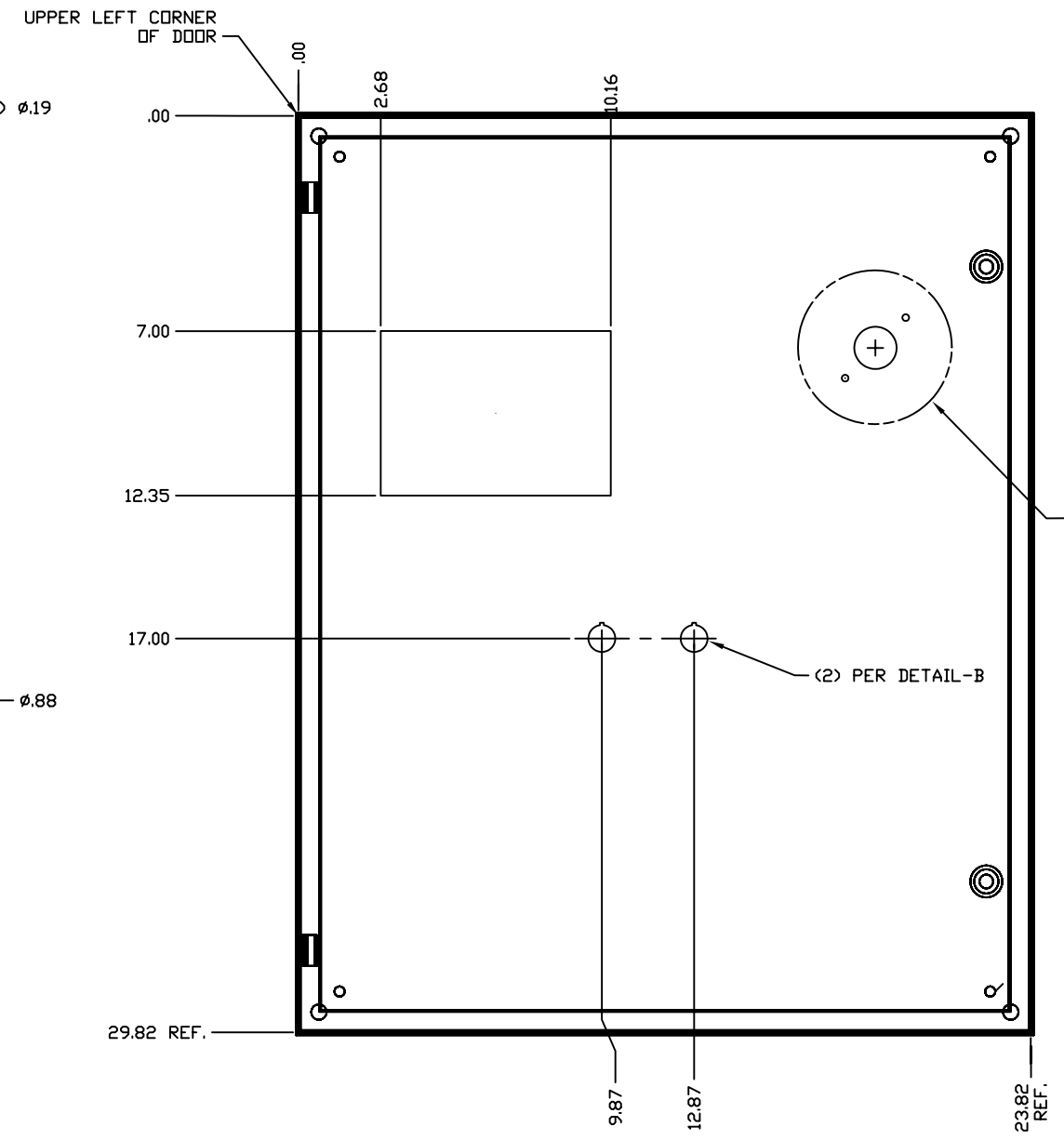
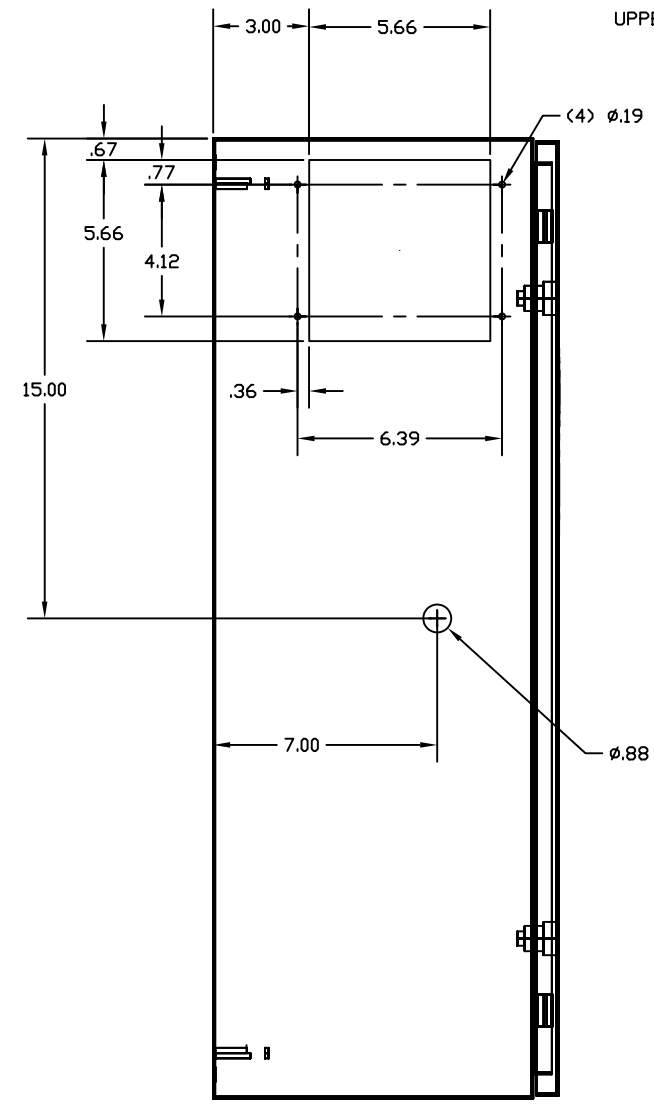
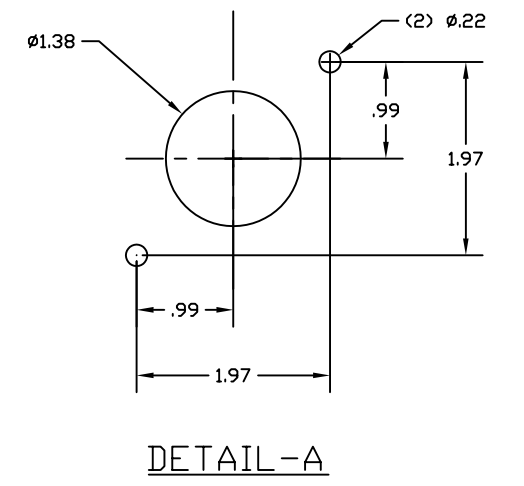
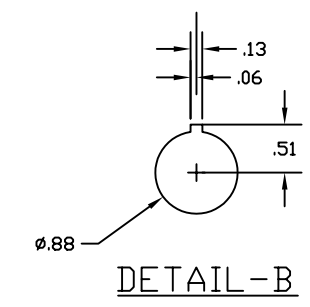
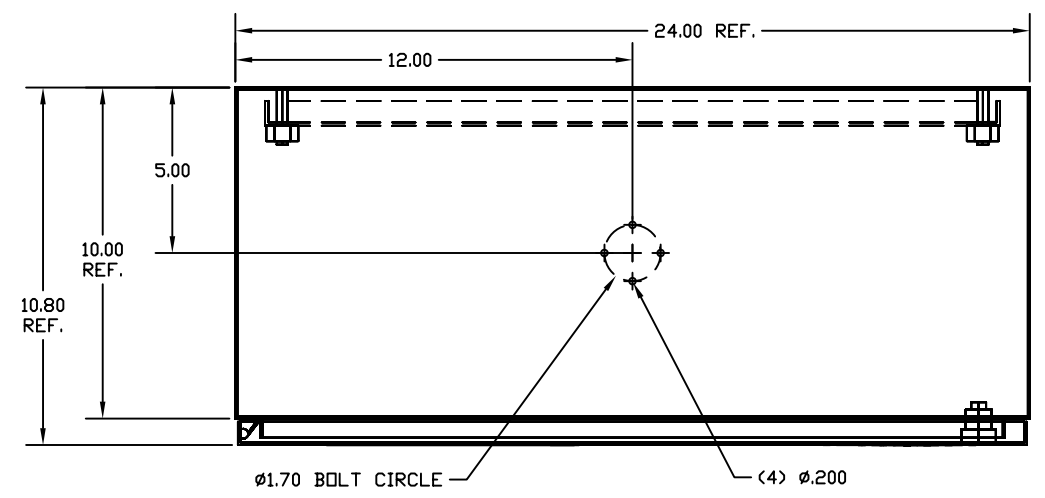
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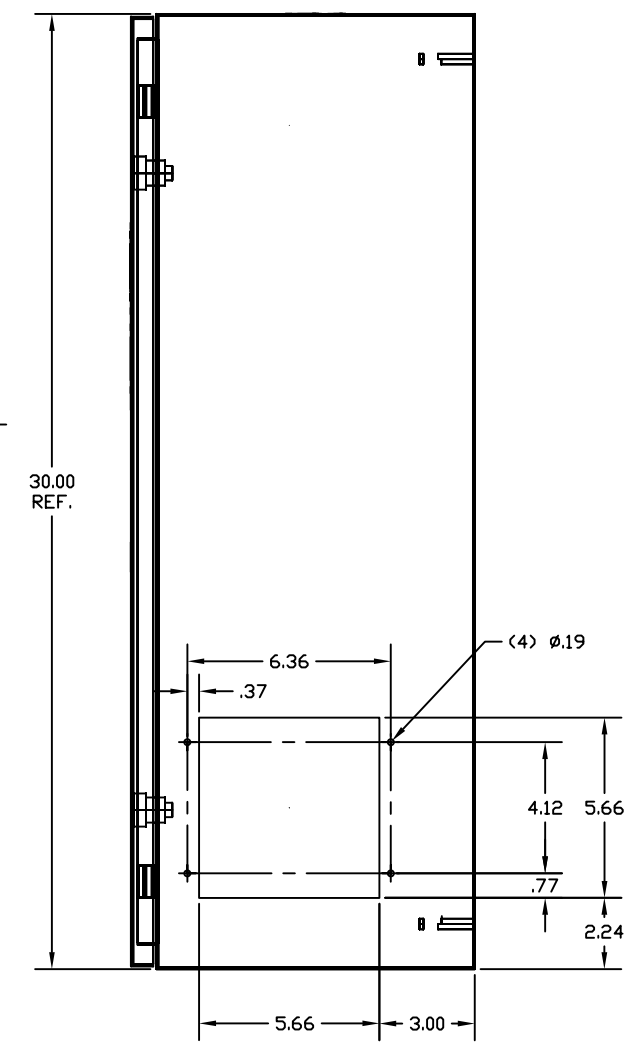
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PER DETAIL-A,
(SEE SHEET 2 FOR ALL
OPERATOR OPTION
LOCATIONS)



DOOR MODIFICATION

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

CAD PART CCBB_PDS_460_14_ENCLOSURE_DOOR_LAYOUT.DWG

LAYERING SELECT: ECHD

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CONNECTED COMPONENTS
BUILDING BLOCKS POSITION
ENCLOSURE DOOR LAYOUT

DATE	REV	DATE	REV
14	XX	10-17-08	XX

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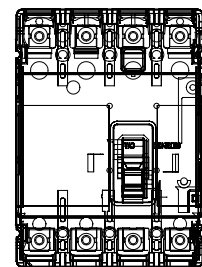
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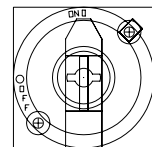
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ADDITIONAL PARTS LIST

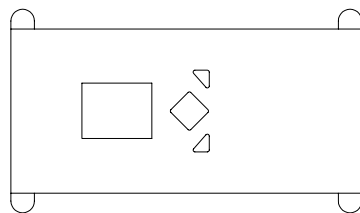
ITEM	DESCRIPTION	MFG	CATALOG
50	ROTARY VARIABLE DEPTH MECHANISM	AB	140U-RVM12R
51	"F" FRAME CIRCUIT BREAKER	AB	140UE-H2EA-C32
52	30A FUSED DISCONNECT	AB	194R-C30-1753
53	60A FUSED DISCONNECT	AB	194R-D32/D63-1753
54	MICROLOGIX 1400, 24VDC, DIGITAL I/O, ANALOG I/O, ETHERNET	AB	1766-L32BXBA
55	STRATIX 6000, 8 PORT ETHERNET SWITCH	AB	9300-8EDM
56	REMOTE ACCESS ETHERNET SWITCH	AB	9300-RADES
57	STRATIX 6000 SWITCH, ENTRY-LEVEL MANAGED, 8-PORT	AB	1783-EMS08T
58	STRATIX 2000 SWITCH, UNMANAGED, 5-COPPER PORTS	AB	1783-US05T



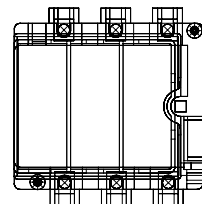
51 "F" FRAME CIRCUIT BREAKER



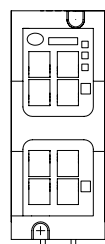
50 ROTARY VARIABLE DEPTH MECHANISM



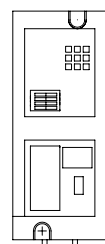
54 MICROLOGIX 1400



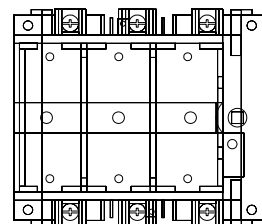
52 30A FUSED DISCONNECT



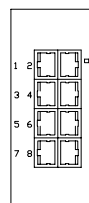
55 ETHERNET SWITCH



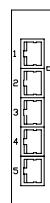
56 REMOTE ACCESS ETHERNET SWITCH



53 60A FUSED DISCONNECT



57 ETHERNET SWITCH



58 ETHERNET SWITCH

XXXX XXXXXXXX XX XXX XXXXXXXXXXXX XX XXXXXXXXXXXX XXXXXXXXXXXX XX XXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXX XX XXXXXXXXXXXX XXX XXX XXXXXXX XXXXXXX XX XXXXXXXXXXXX	XXXXXX_XXXX XXXXXX	CONNECTED COMPONENTS BUILDING BLOCKS POSITION ADDITIONAL PARTS		DWG XX DATE 11-07-08
		DWG REV EXAMPLE	DWG REV XX	SHEET 15 OF XX

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