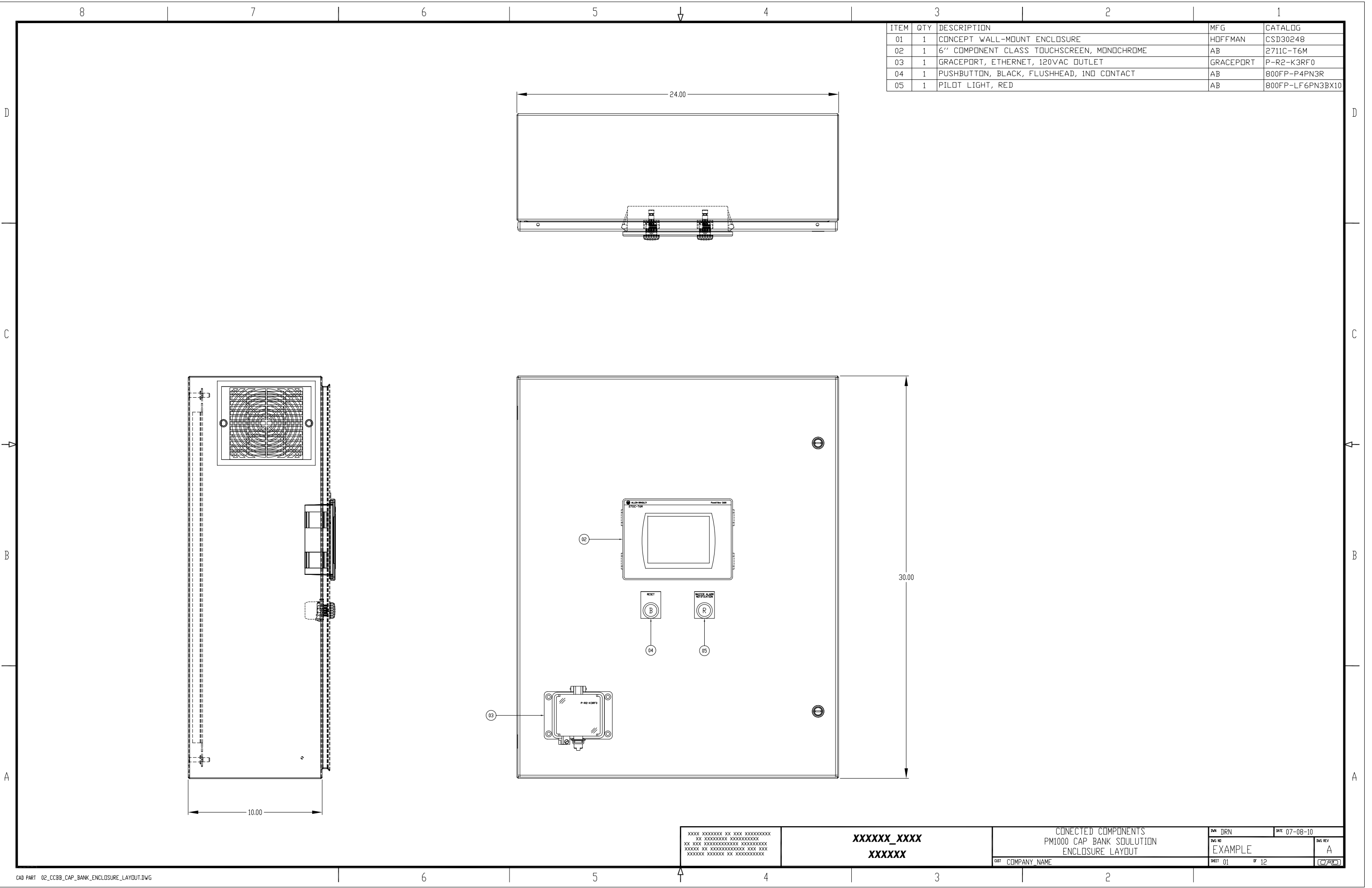


ITEM	QTY	DESCRIPTION	MFG	CATALOG
01	1	30" X 24" PANEL FOR ENCLOSURE	HOFFMAN	CP3024
02	A/R	1X4 GRAY SLOT WIRE DUCT	PANDUIT	F1X4LG6
03	1	PANEL GROUND LUG #8AWG	ILSCO	TA-2
04	A/R	RAIL, DIN MTG, 25MM, 1M	AB	199-DR1
05	9	END ANCHOR	AB	1492-EAJ35
06	14	SCREW CONNECTION TERMINAL BLOCK; 1492-J	AB	1492-J4
07	1	END BARRIER; 1492-J	AB	1492-EBJ3
08	3	GROUP MARKER CARRIER	AB	1492-GM35
09	2	1AMP CIRCUIT BREAKER	AB	1492-SP1D010
10	1	PS, COMPACT, 50 W, 24-28V	AB	1606-XLP50E
11	1	6" COMPONENT CLASS TOUCHSCREEN, COLOR	AB	2711C-T6M
12	2	ETHERNET CABLE, CAT5, RJ45 STRAIGHT MALE	AB	1485J-M8TBJM-2
13	1	GROUNDING BAR SYSTEM, 9 POS	SQUARE-D	PK9GTA
14	1	ETHERNET SWITCH 5 COPPER PORTS UNMANAGED	AB	1783-US05T
15	1	MICROLOGIX 1400, 120/240VAC POWER, 20IN/12OUT	AB	1766-L32BWA
16	1	ENERGY MONITOR EM3, 120/240VAC, SERIAL RS-485/ETHERNET	AB	1408-EM3A-ENT
17	1	FUSE AND SHORTING BLOCK KIT	AB	1400-PM-ACC

KIT 1400-PM-ACC \*\* 1 KIT PER POWER MONITOR

ITEM	QTY	DESCRIPTION		
01	1	FUSE BLOCK, 3 POLE		
02	1	FUSE BLOCK, 1 POLE		
03	1	SHORTING BLOCK, 8 POLE		
04	1	FUSE, 1AMP, TIME DELAY, 600VAC		
05	3	FUSE, 10AMP, TIME DELAY, 600VAC		



ITEM	QTY	DESCRIPTION	MFG	CATALOG
01	1	CONCEPT WALL-MOUNT ENCLOSURE	HOFFMAN	CSD30248
02	1	6" COMPONENT CLASS TOUCHSCREEN, MONOCHROME	AB	2711C-T6M
03	1	GRACEPORT, ETHERNET, 120VAC OUTLET	GRACEPORT	P-R2-K3RF0
04	1	PUSHBUTTON, BLACK, FLUSHHEAD, 1NO CONTACT	AB	800FP-P4PN3R
05	1	PILOT LIGHT, RED	AB	800FP-LF6PN3BX10

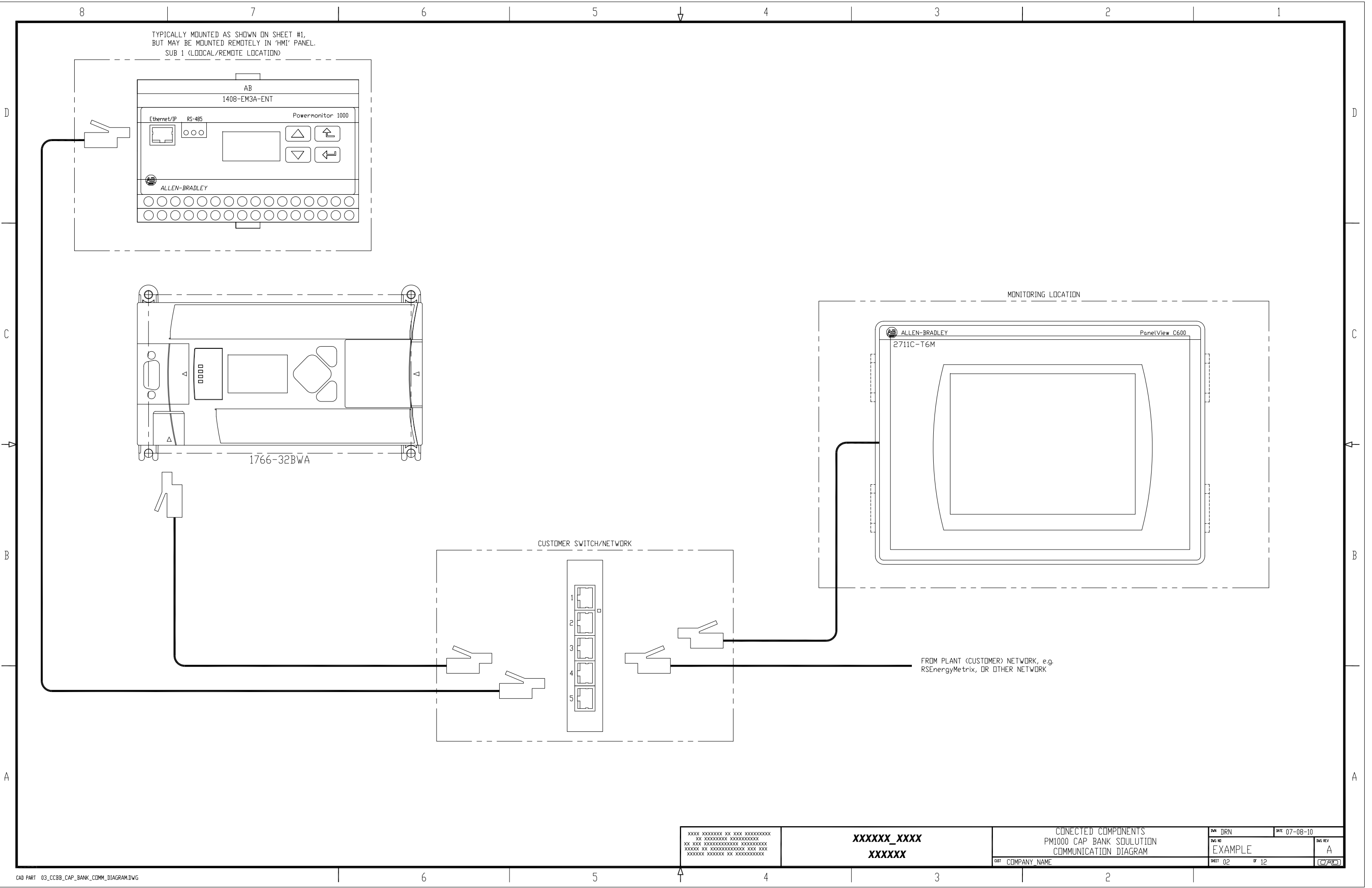
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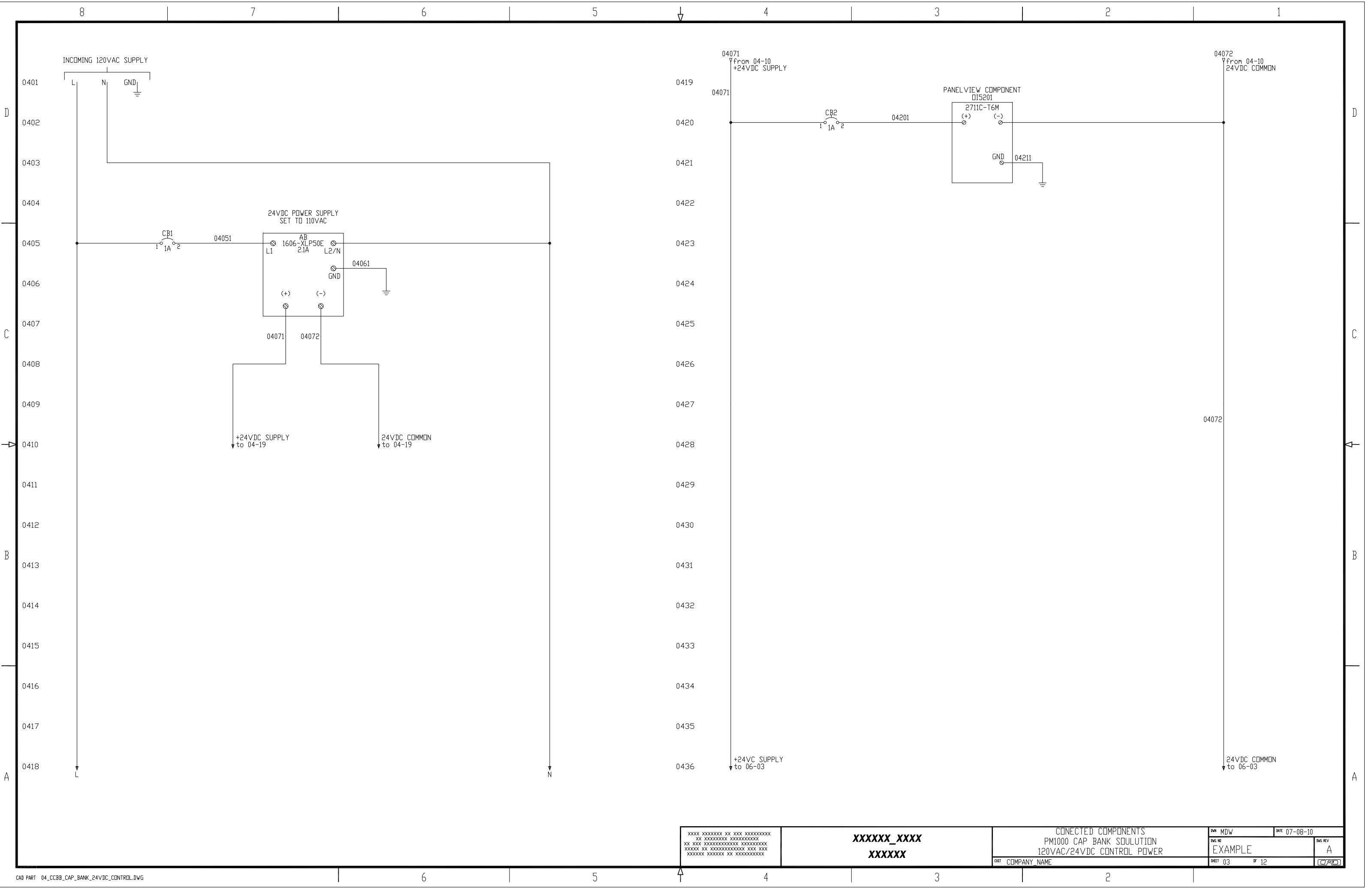
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CONNECTED COMPONENTS  
PM1000 CAP BANK SOLUTION  
ENCLOSURE LAYOUT

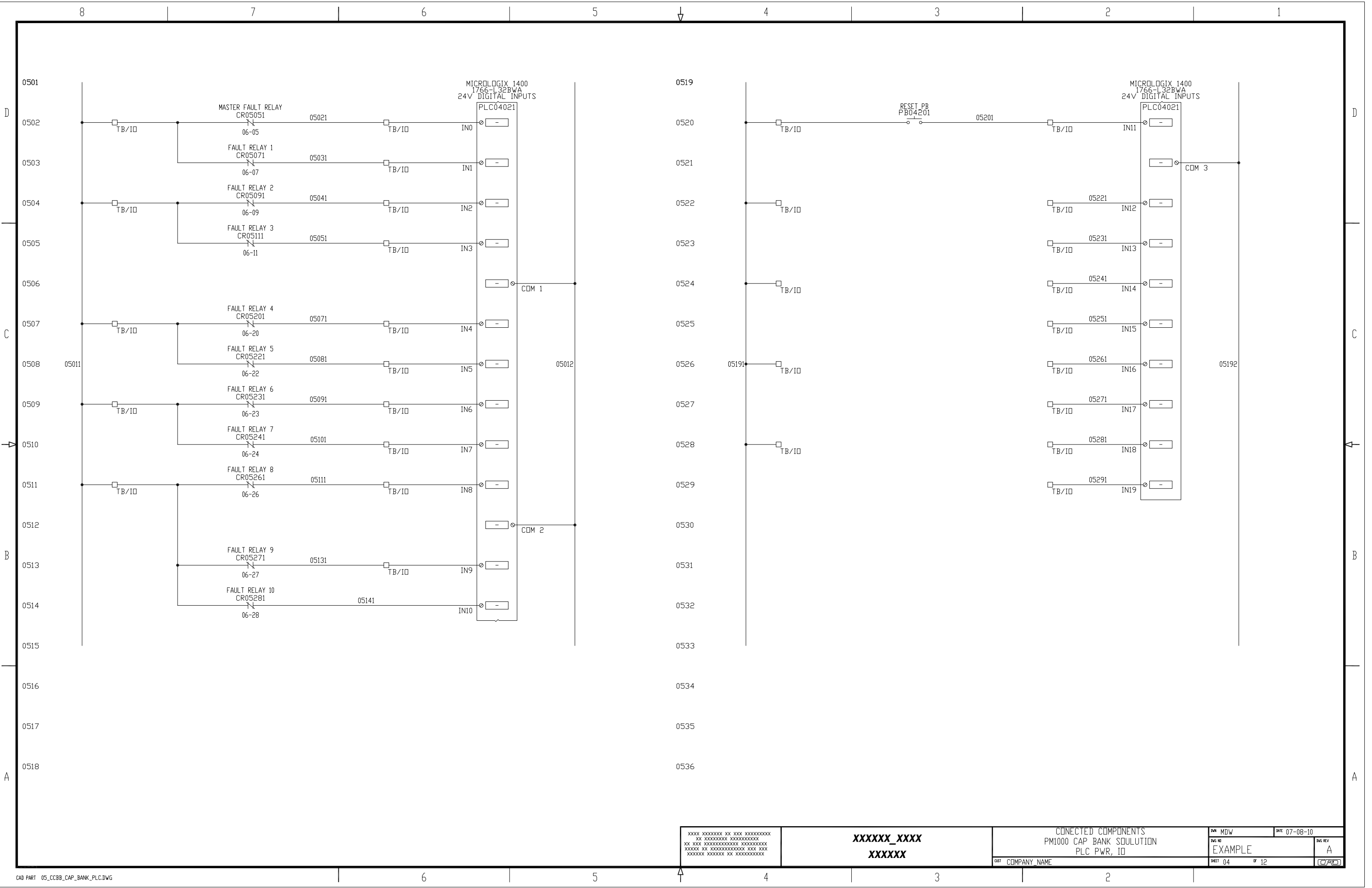
DIST COMPANY NAME

DATE 07-08-10	DATE 07-08-10
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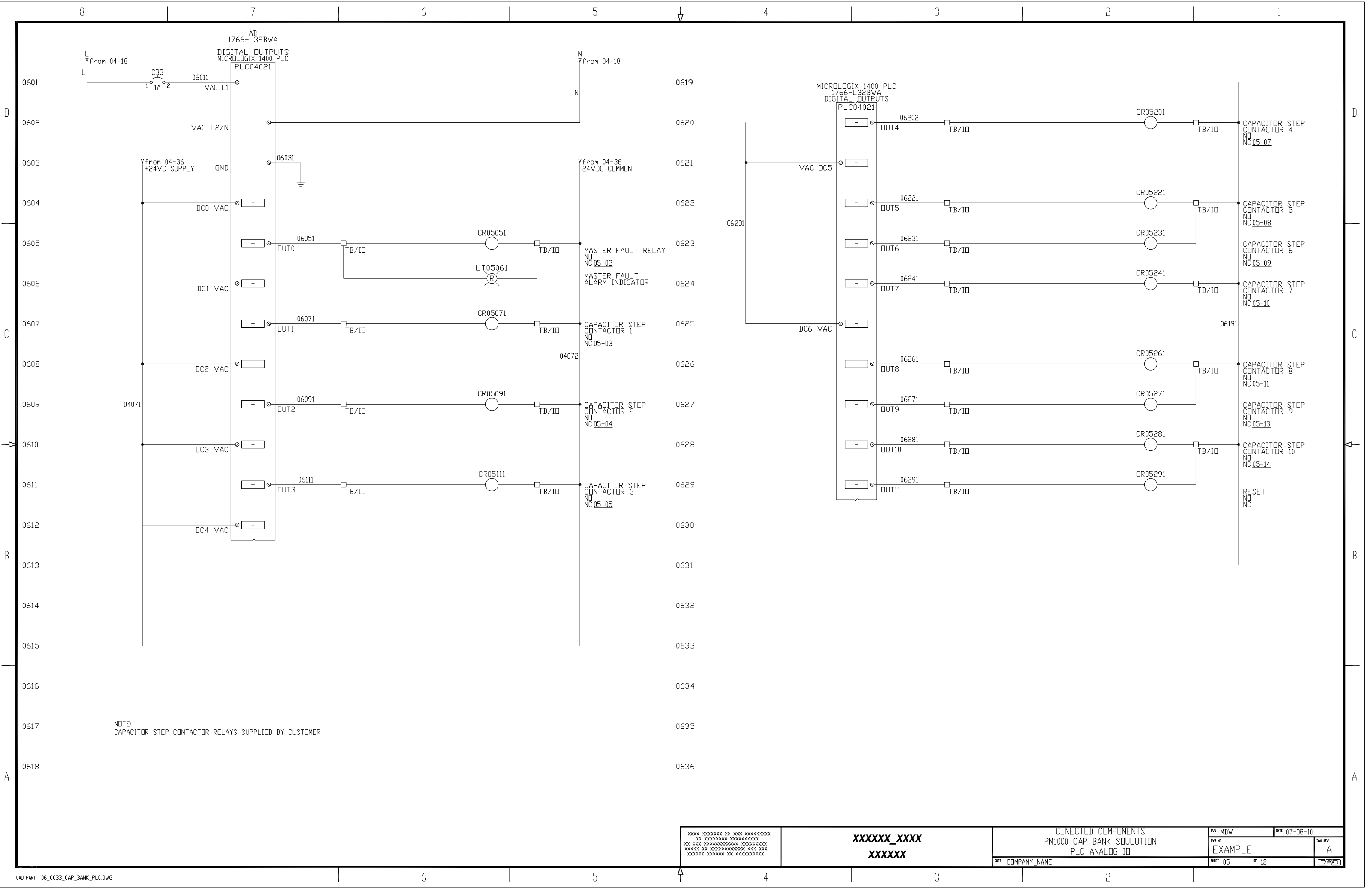




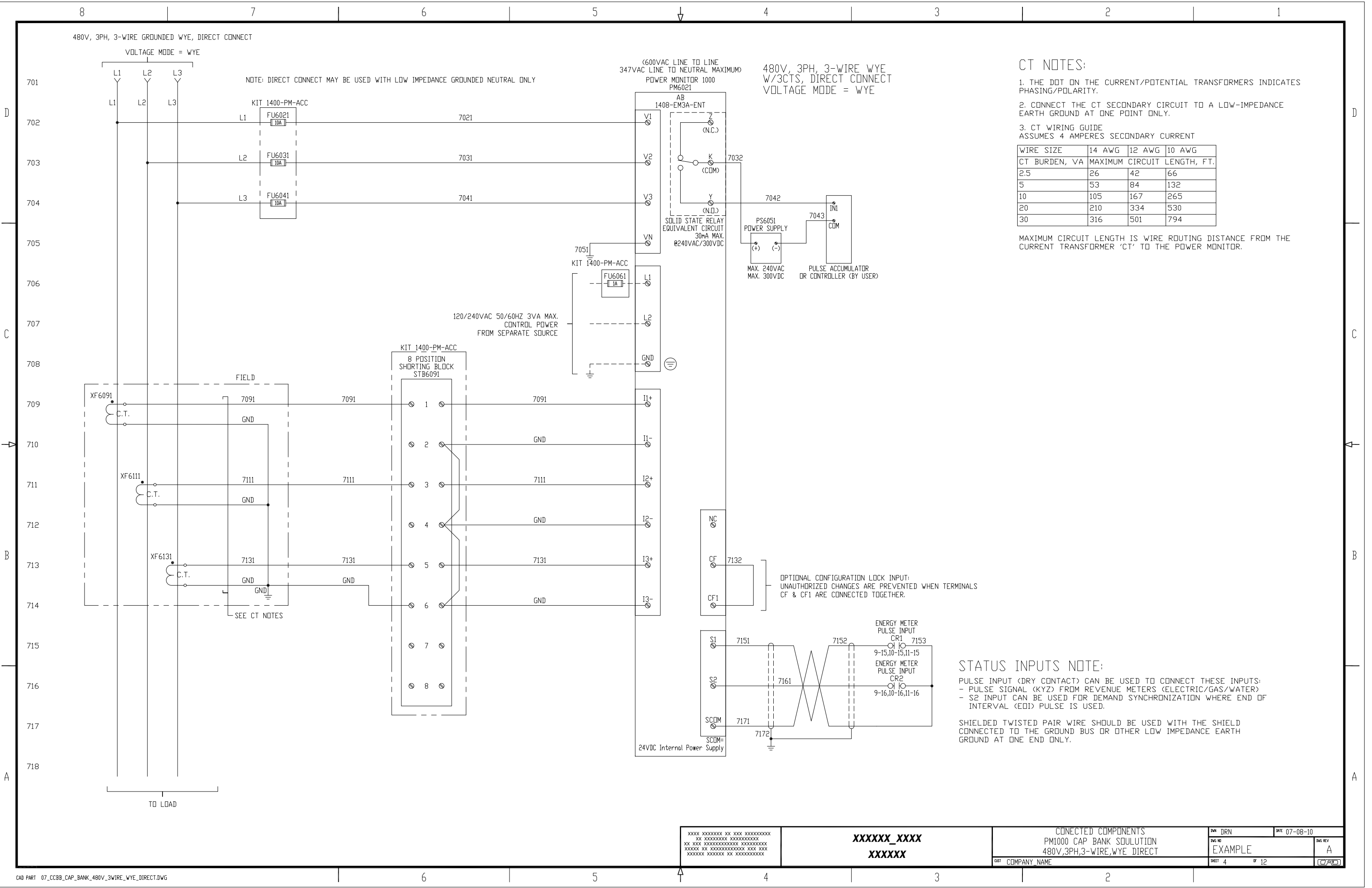
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DIST COMPANY NAME	SHEET 03	OF 12	CAD		



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CUST COMPANY NAME		SHEET 04 OF 12		CAD			



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		DATE 07-08-10			
		SHEET 05 OF 12			



CT NOTES:

1. THE DOT ON THE CURRENT/POTENTIAL TRANSFORMERS INDICATES PHASING/POLARITY.

2. CONNECT THE CT SECONDARY CIRCUIT TO A LOW-IMPEDANCE EARTH GROUND AT ONE POINT ONLY.

3. CT WIRING GUIDE ASSUMES 4 AMPERES SECONDARY CURRENT

WIRE SIZE	14 AWG	12 AWG	10 AWG
CT BURDEN, VA	MAXIMUM CIRCUIT LENGTH, FT.		
2.5	26	42	66
5	53	84	132
10	105	167	265
20	210	334	530
30	316	501	794

MAXIMUM CIRCUIT LENGTH IS WIRE ROUTING DISTANCE FROM THE CURRENT TRANSFORMER 'CT' TO THE POWER MONITOR.

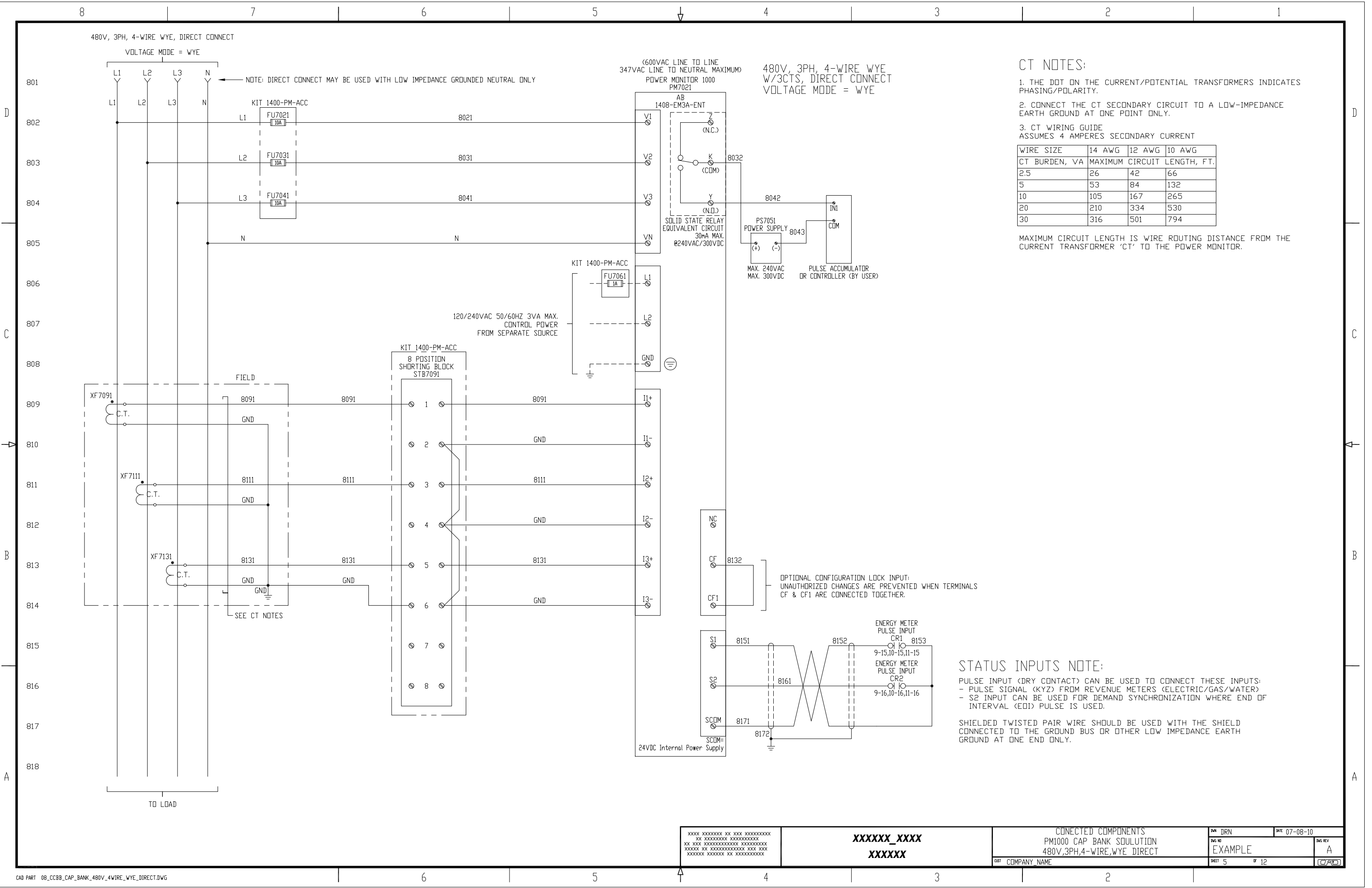
OPTIONAL CONFIGURATION LOCK INPUT:  
UNAUTHORIZED CHANGES ARE PREVENTED WHEN TERMINALS CF & CF1 ARE CONNECTED TOGETHER.

STATUS INPUTS NOTE:

PULSE INPUT (DRY CONTACT) CAN BE USED TO CONNECT THESE INPUTS:

- PULSE SIGNAL (KYZ) FROM REVENUE METERS (ELECTRIC/GAS/WATER)
- S2 INPUT CAN BE USED FOR DEMAND SYNCHRONIZATION WHERE END OF INTERVAL (EOI) PULSE IS USED.

SHIELDED TWISTED PAIR WIRE SHOULD BE USED WITH THE SHIELD CONNECTED TO THE GROUND BUS OR OTHER LOW IMPEDANCE EARTH GROUND AT ONE END ONLY.



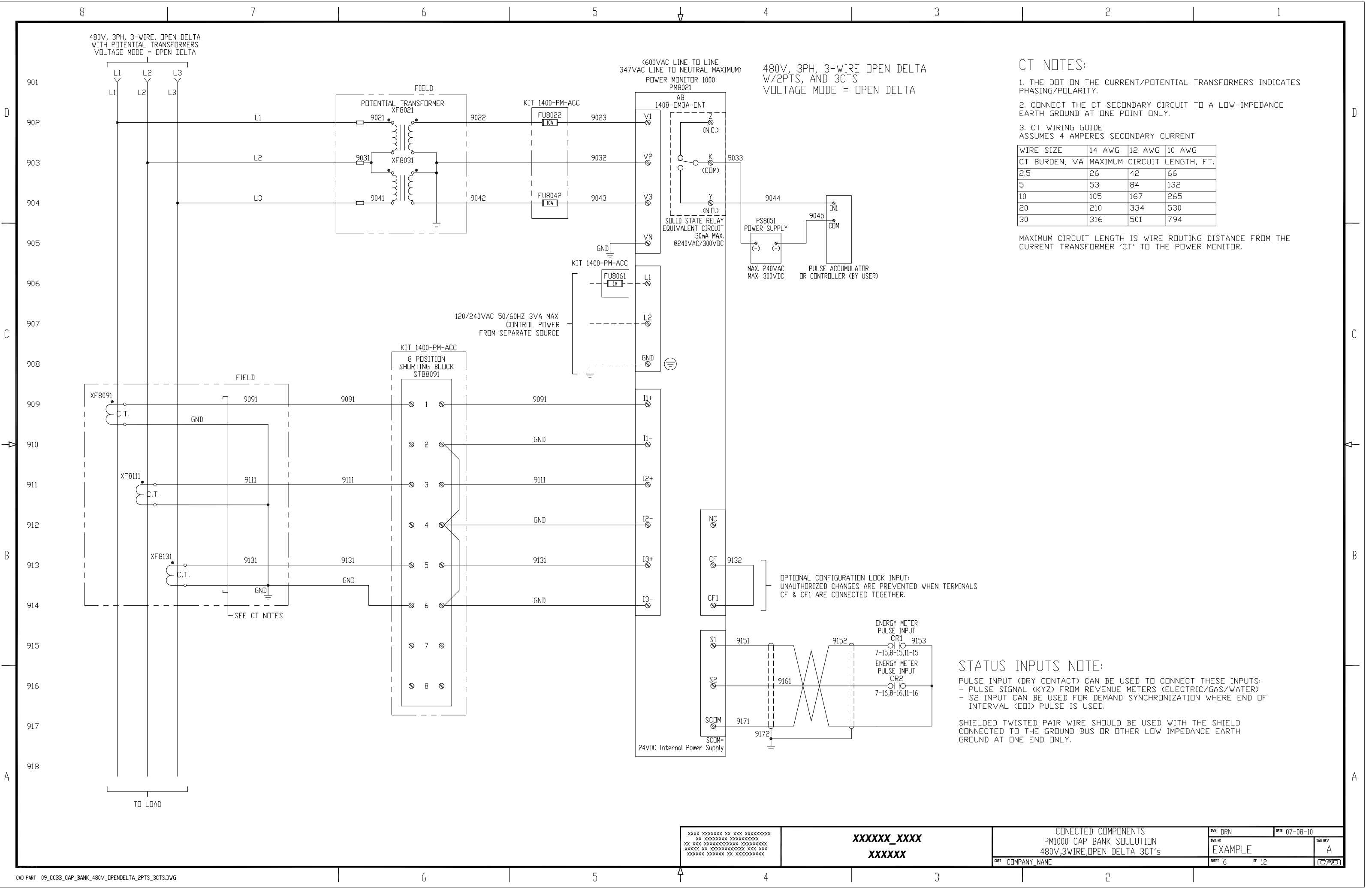
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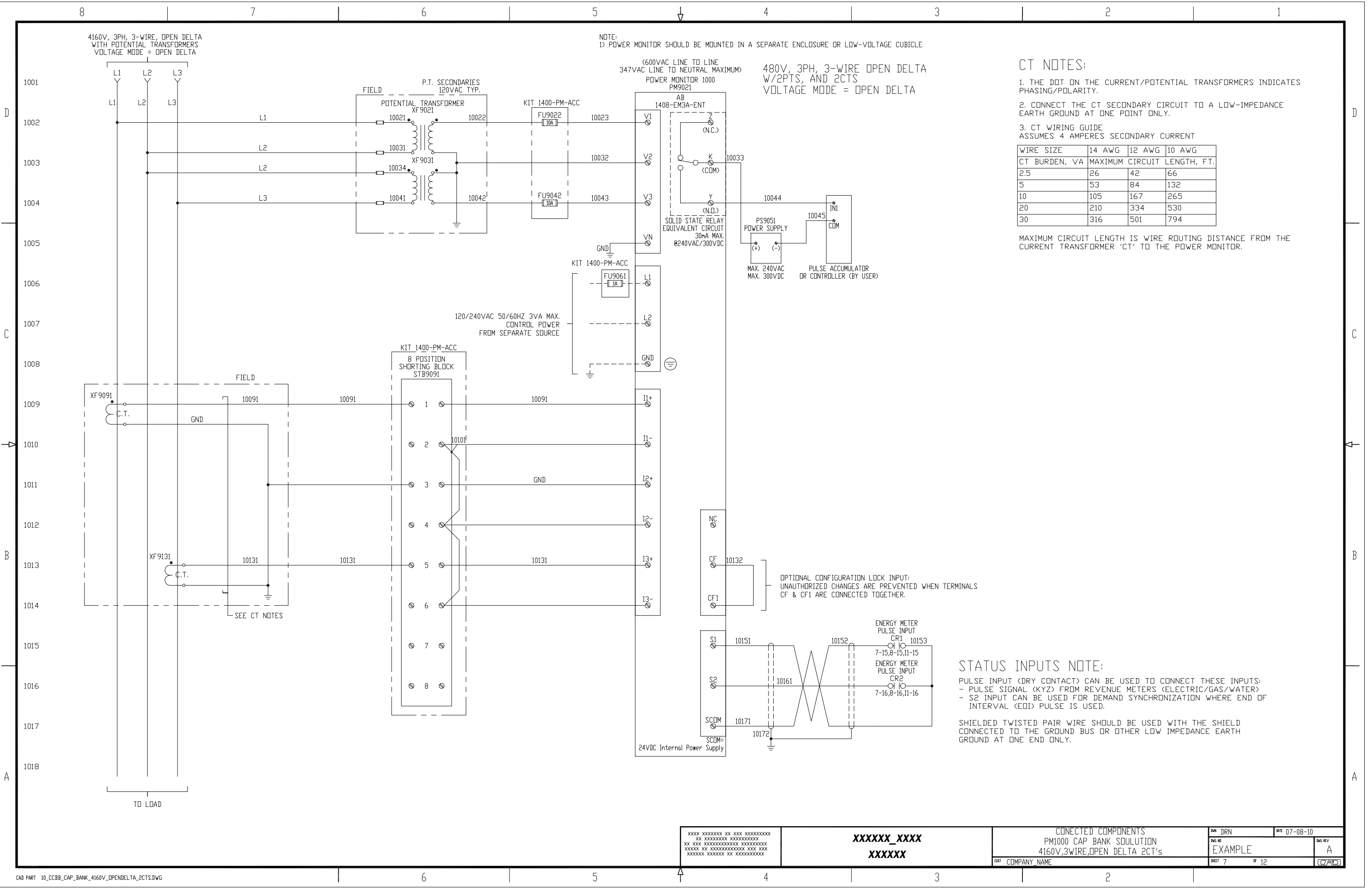
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NOTE:  
1) POWER MONITOR SHOULD BE MOUNTED IN A SEPARATE ENCLOSURE OR LOW-VOLTAGE CUBICLE

480V, 3PH, 3-WIRE OPEN DELTA  
W/2PTS, AND 2CTS  
VOLTAGE MODE = OPEN DELTA

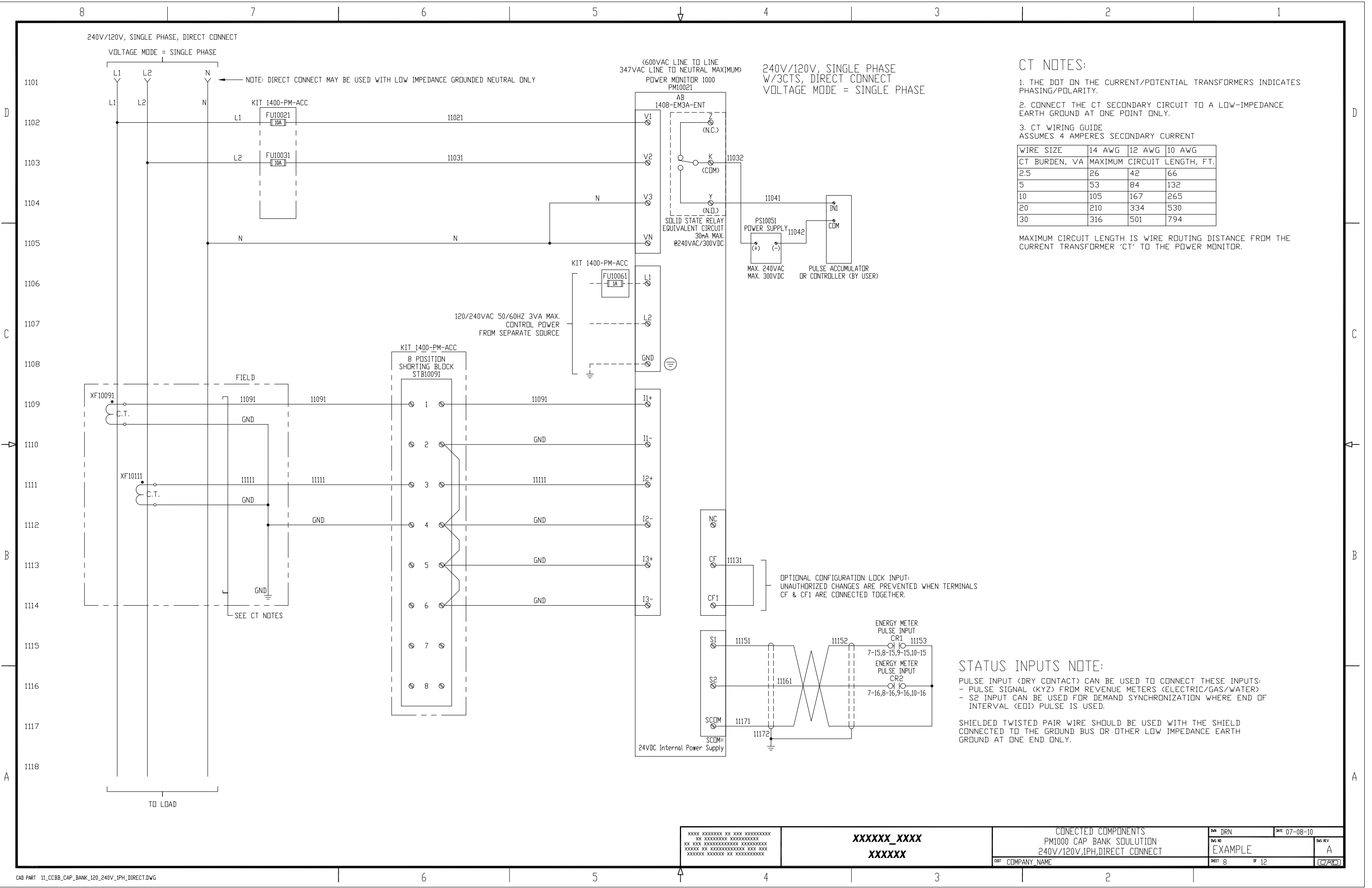
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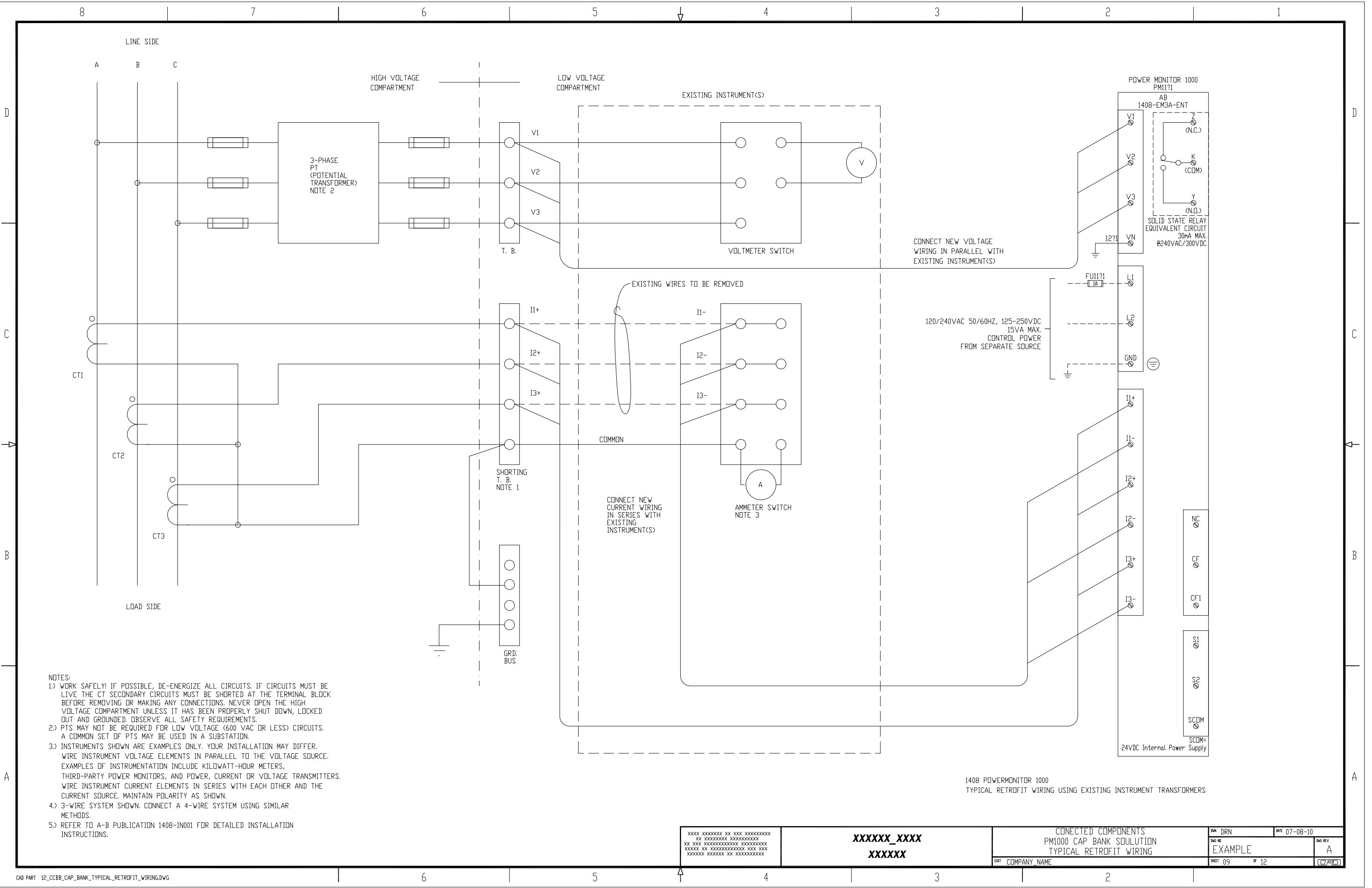
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NOTES:

- 1.) WORK SAFELY! IF POSSIBLE, DE-ENERGIZE ALL CIRCUITS. IF CIRCUITS MUST BE LIVE THE CT SECONDARY CIRCUITS MUST BE SHORTED AT THE TERMINAL BLOCK BEFORE REMOVING OR MAKING ANY CONNECTIONS. NEVER OPEN THE HIGH VOLTAGE COMPARTMENT UNLESS IT HAS BEEN PROPERLY SHUT DOWN, LOCKED OUT AND GROUNDED. OBSERVE ALL SAFETY REQUIREMENTS.
- 2.) PTS MAY NOT BE REQUIRED FOR LOW VOLTAGE (600 VAC OR LESS) CIRCUITS. A COMMON SET OF PTS MAY BE USED IN A SUBSTATION.
- 3.) INSTRUMENTS SHOWN ARE EXAMPLES ONLY. YOUR INSTALLATION MAY DIFFER. WIRE INSTRUMENT VOLTAGE ELEMENTS IN PARALLEL TO THE VOLTAGE SOURCE. EXAMPLES OF INSTRUMENTATION INCLUDE KILOWATT-HOUR METERS, THIRD-PARTY POWER MONITORS, AND POWER, CURRENT OR VOLTAGE TRANSMITTERS. WIRE INSTRUMENT CURRENT ELEMENTS IN SERIES WITH EACH OTHER AND THE CURRENT SOURCE. MAINTAIN POLARITY AS SHOWN.
- 4.) 3-WIRE SYSTEM SHOWN. CONNECT A 4-WIRE SYSTEM USING SIMILAR METHODS.
- 5.) REFER TO A-B PUBLICATION 1408-IN001 FOR DETAILED INSTALLATION INSTRUCTIONS.

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CONNECTED COMPONENTS  
PM1000 CAP BANK SOLUTION  
TYPICAL RETROFIT WIRING

DATE 07-08-10  
SHEET 09 OF 12  
EXAMPLE

DATE 07-08-10  
SHEET 09 OF 12  
EXAMPLE