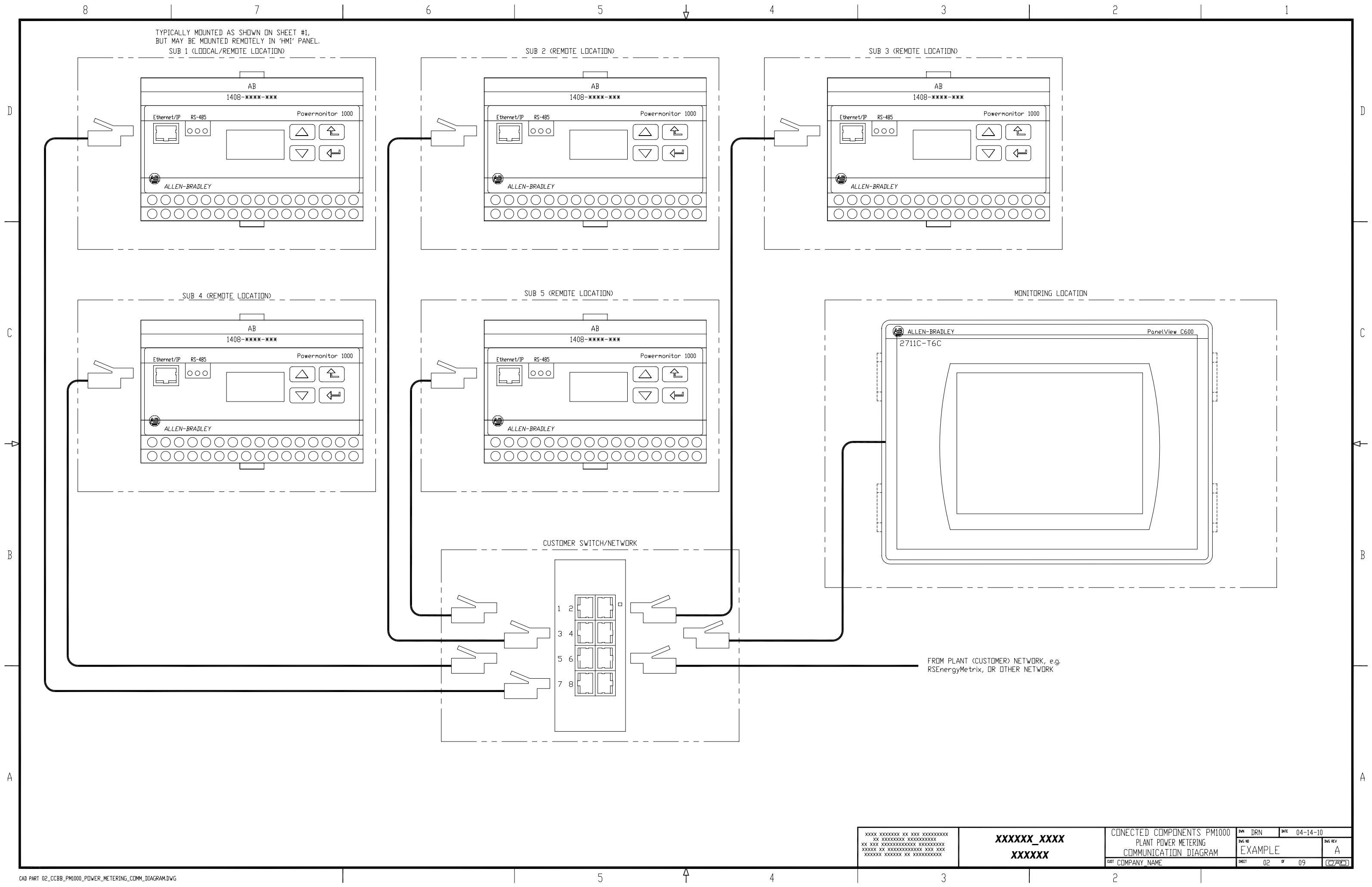


ITEM	QTY	DESCRIPTION	MFG	CATALOG
01	1	CONCEPT WALL-MOUNT ENCLOSURE	HOFFMAN	CSD20248
02	1	24" X 20" SUBPAN	HOFFMAN	CP2420
03	A/R	1X4 GRAY SLOT WIRE DUCT	PANDUIT	F1X4LG6
04	1	PANEL GROUND LUG #8AWG	ILSCO	TA-2
05	A/R	RAIL, DIN MTG, 25MM, 1M	AB	199-DR1
06	8	END ANCHOR	AB	1492-EAJ35
07	6	SCREW CONNECTION TERMINAL BLOCK; 1492-J	AB	1492-J4
08	1	END BARRIER; 1492-J	AB	1492-EBJ3
09	3	GROUP MARKER CARRIER	AB	1492-GM35
10	2	1AMP CIRCUIT BREAKER	AB	1492-SP1D010
11	1	PS, COMPACT, 50 W, 24-28V	AB	1606-XLP50E
12	1	ENERGY MONITOR EM3, 120/240VAC, SERIAL RS-485/ETHERNET	AB	1408-EM3A-ENT
13	1	6" COMPONENT CLASS TOUCHSCREEN, COLOR	AB	2711C-T6C
14	2	ETHERNET CABLE, CAT5, RJ45 STRAIGHT MALE	AB	1485J-M8TBJM-2
15	1	GROUNDING BAR SYSTEM, 9 POS	SQUARE-D	PK9GTA
16	1	FUSE AND SHORTING BLOCK KIT	AB	1400-PM-ACC

KIT 1400-PM-ACC				
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		

XXXXXX_XXXX XXXXXX	CONNECTED COMPONENTS PM1000		SWN		DRN	DATE		04-14-10		
	PLANT POWER METERING		DWG NO		EXAMPLE		DWG REV		A	
	ENCLOSURE/PANEL LAYOUT									
	CUST COMPANY NAME		SHEET		01		OF		09	

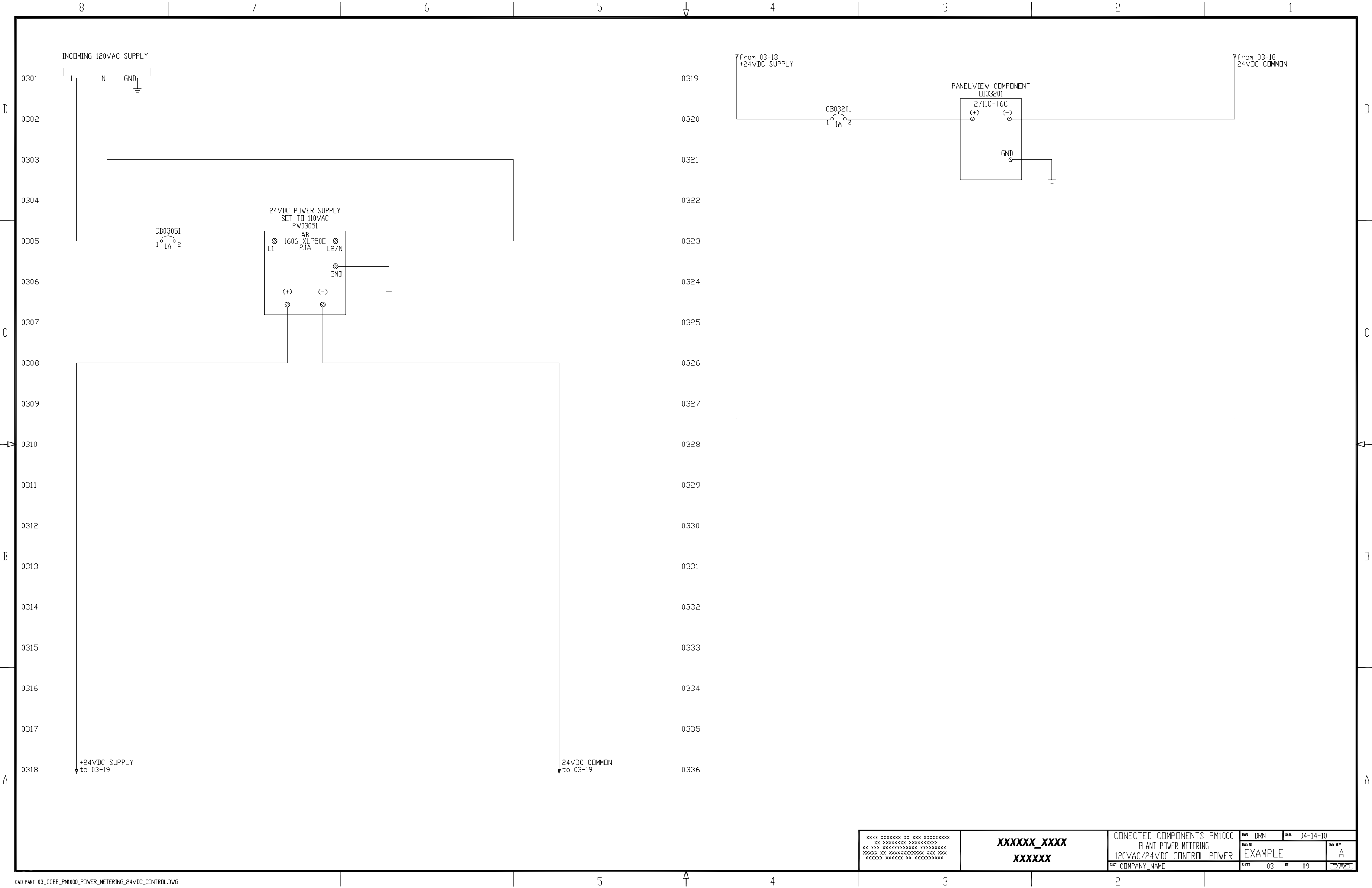


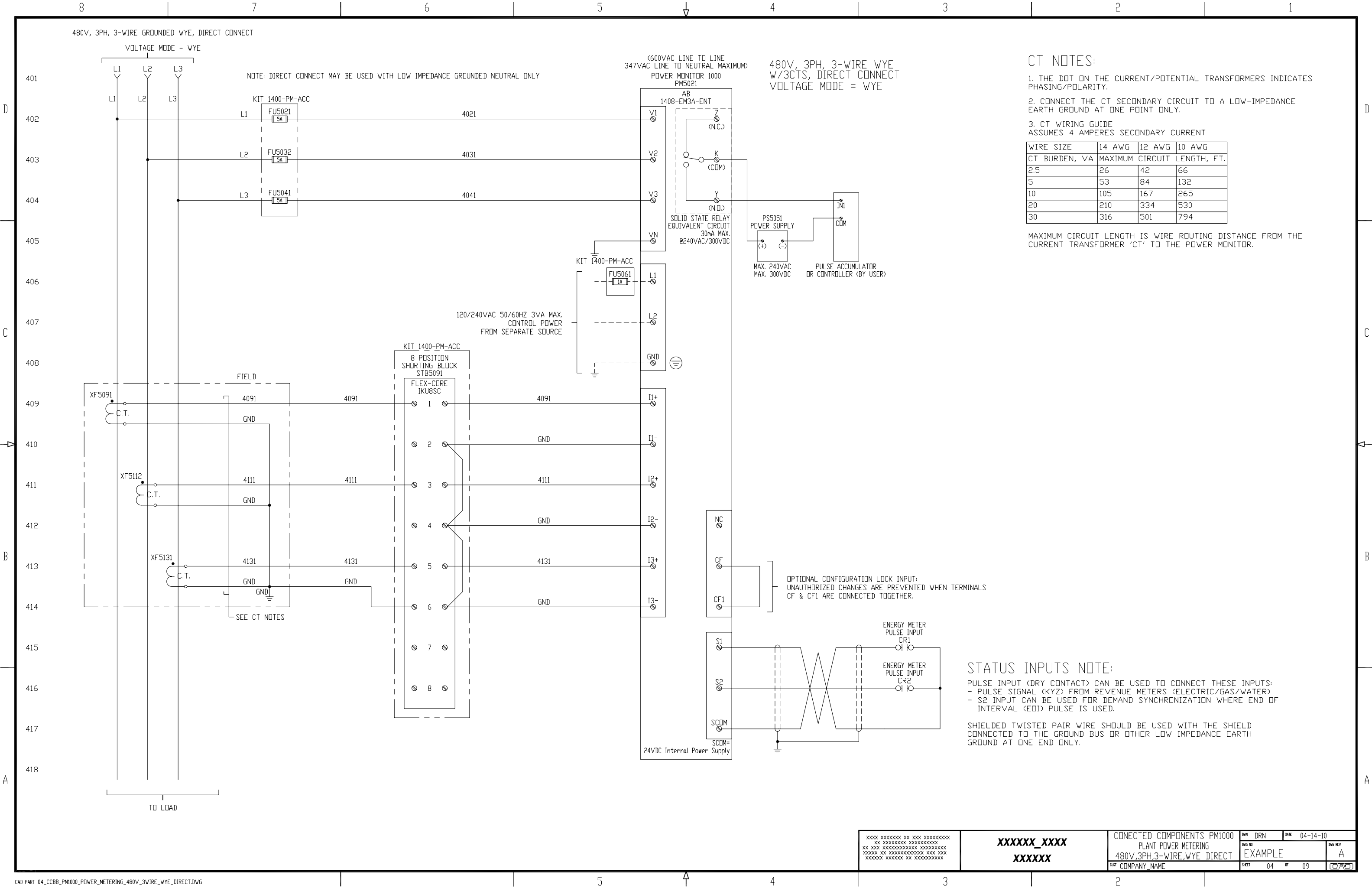
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CONNECTED COMPONENTS PM1000
PLANT POWER METERING
COMMUNICATION DIAGRAM
CUST COMPANY NAME

SWN	DRN	DATE	04-14-10
DWG NO	EXAMPLE		DWG REV
SHEET	02	OF	09
			(CRD)





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.

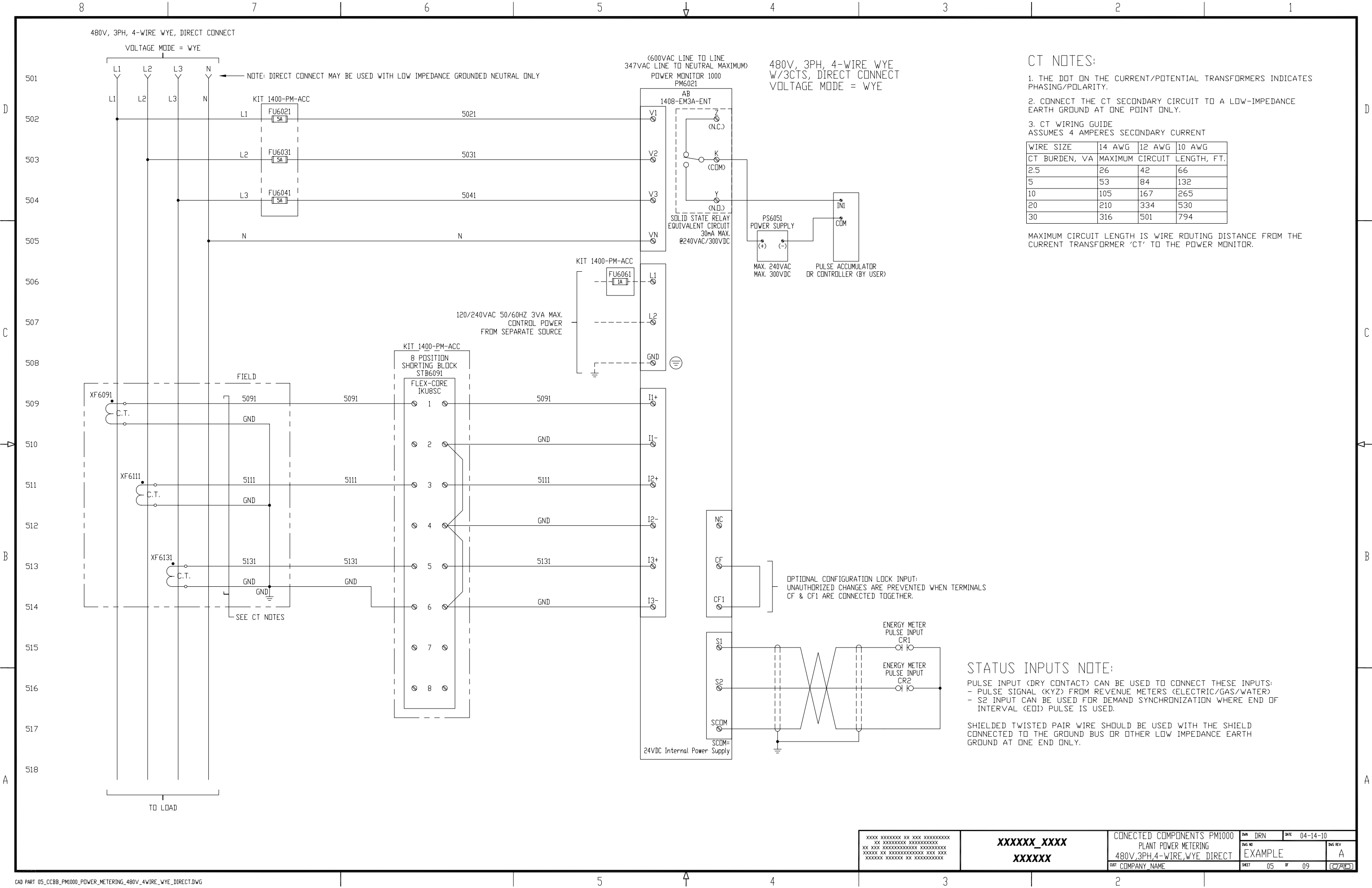
SHIELDED TWISTED PAIR WIRE SHOULD BE USED WITH THE SHIELD CONNECTED TO THE GROUND BUS OR OTHER LOW IMPEDANCE EARTH GROUND AT ONE END ONLY.

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CONNECTED COMPONENTS PM1000
PLANT POWER METERING
480V,3PH,3-WIRE,WYE DIRECT
CMT COMPANY NAME

SWN	DRN	DATE	04-14-10
DWG NO	EXAMPLE	DWG REV	A
SHEET	04	OF	09



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.

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.

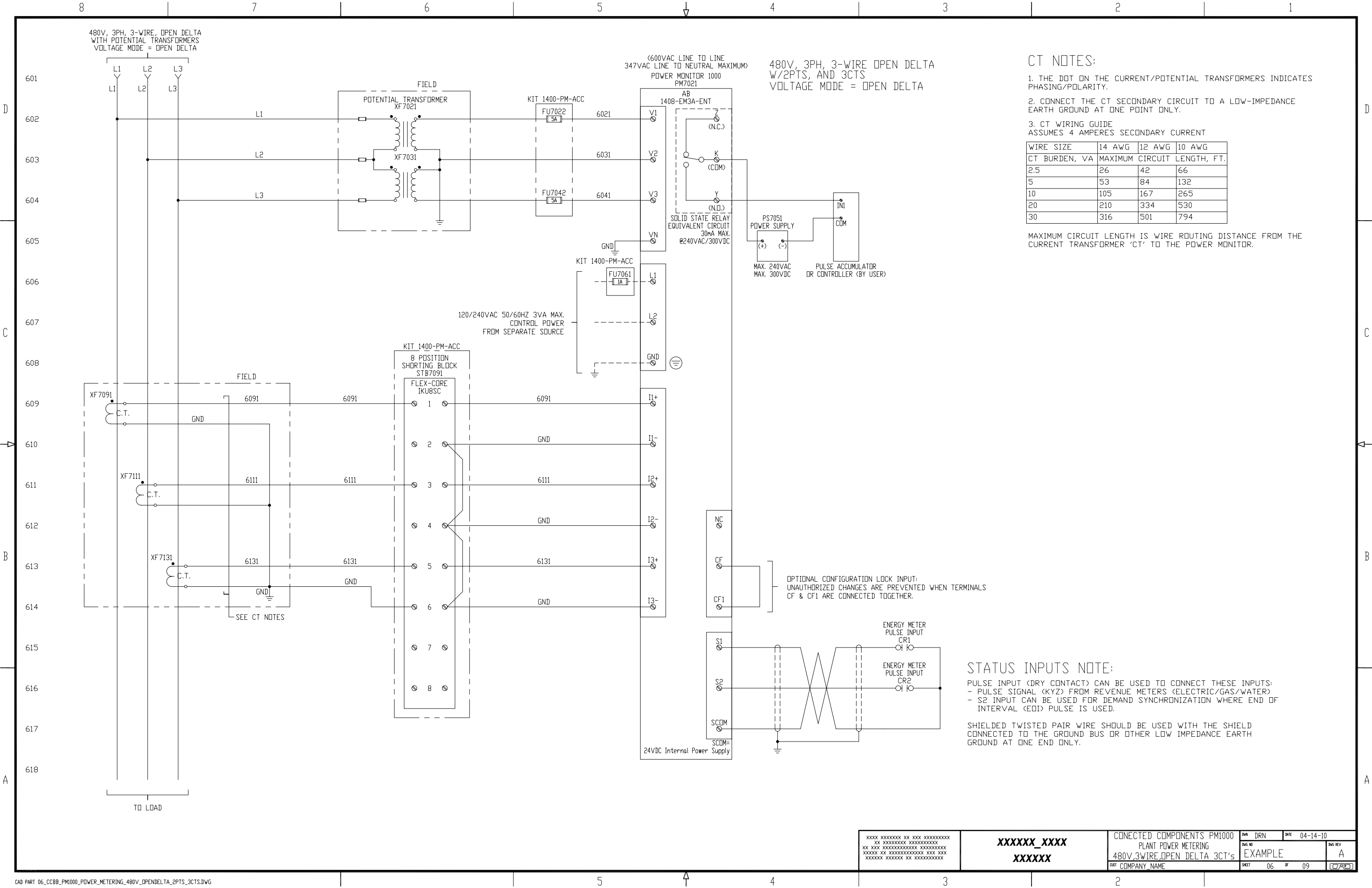
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CONNECTED COMPONENTS PM1000
PLANT POWER METERING
480V,3PH,4-WIRE,WYE DIRECT

DATE 04-14-10
SHEET 05 OF 09
DRAWING NO. EXAMPLE
REV. A



CT NOTES:

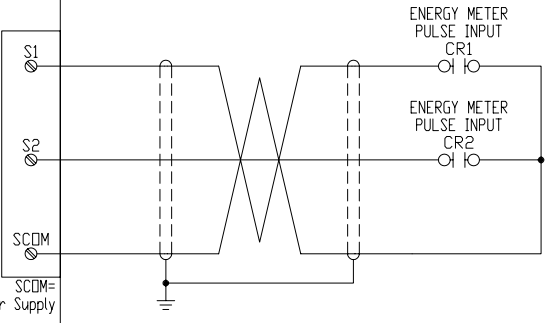
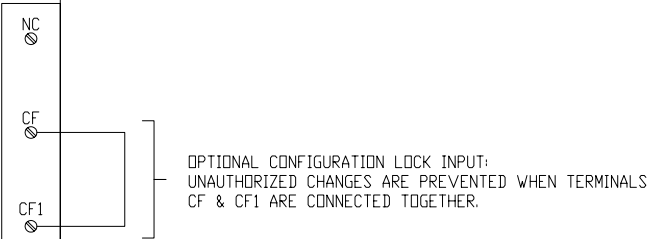
1. THE DOT ON THE CURRENT/POTENTIAL TRANSFORMERS INDICATES PHASING/POLARITY.

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.		
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5	53	84	132
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20	210	334	530
30	316	501	794

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

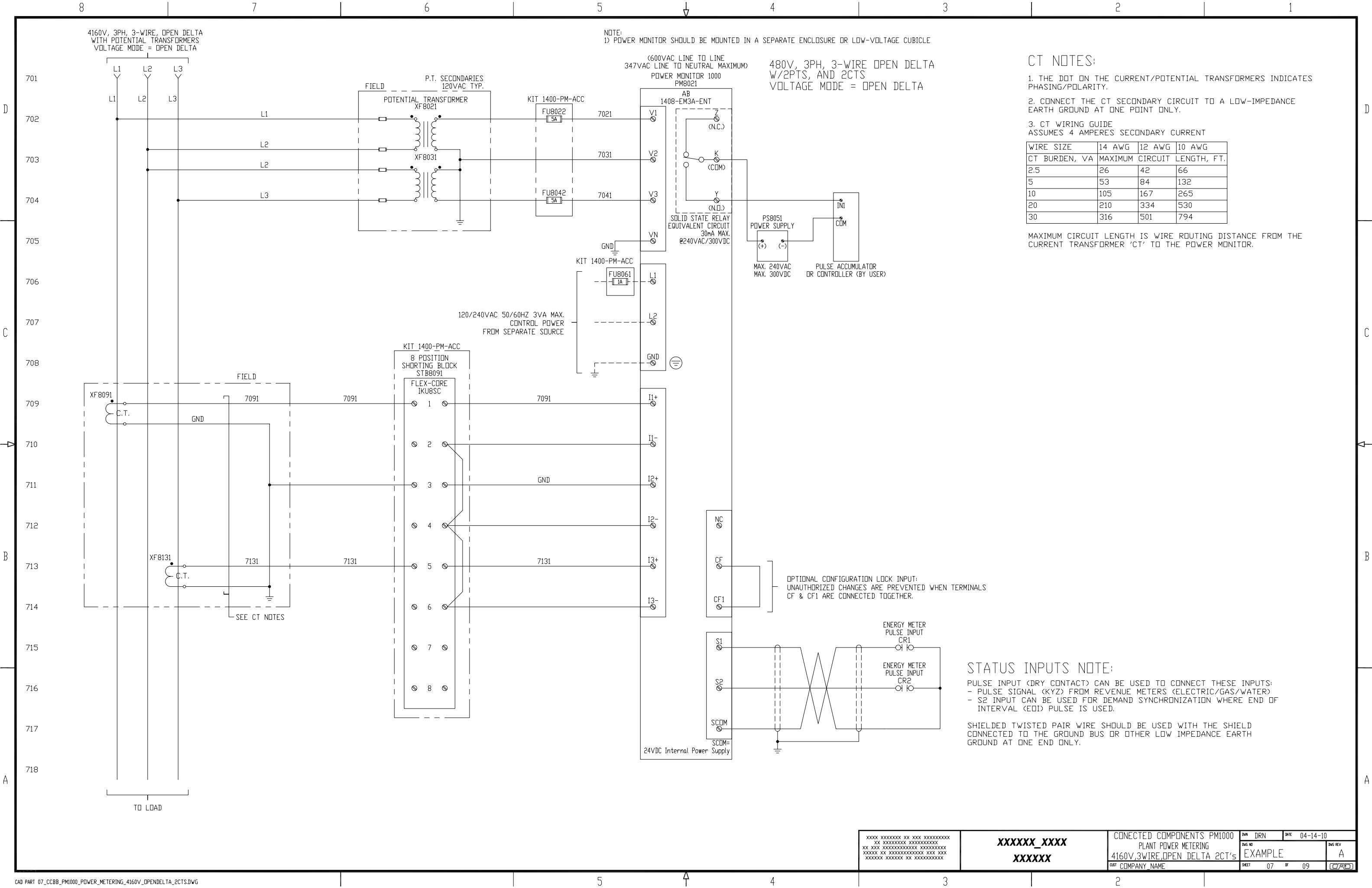


STATUS INPUTS NOTE:

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

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- 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.



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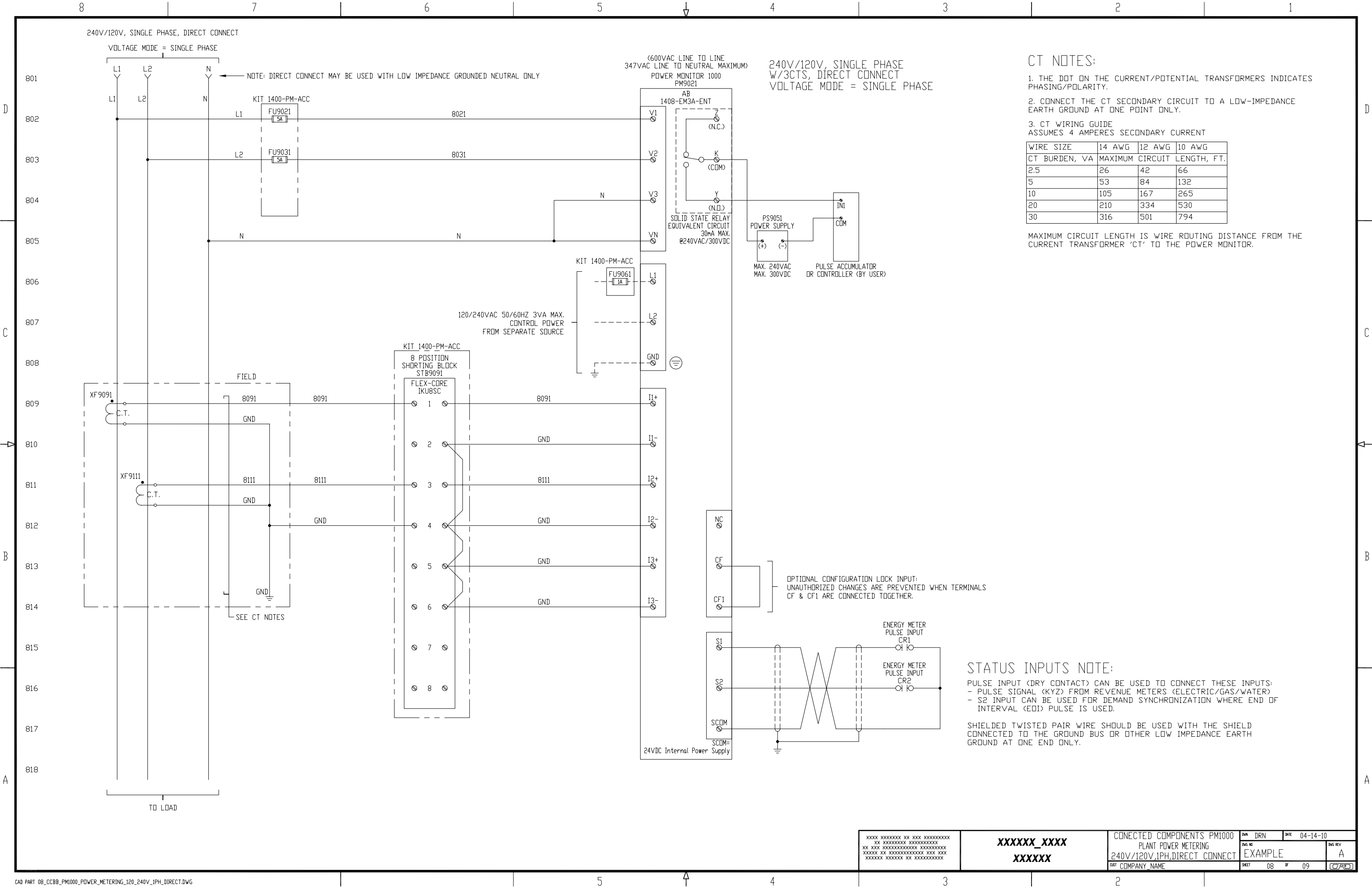
MAXIMUM CIRCUIT LENGTH IS WIRE ROUTING DISTANCE FROM THE CURRENT TRANSFORMER 'CT' TO THE POWER MONITOR.

STATUS INPUTS NOTE:

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

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- CT NOTES:
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30	316	501	794

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

240V/120V, SINGLE PHASE
W/3CTS, DIRECT CONNECT
VOLTAGE MODE = SINGLE PHASE

STATUS INPUTS NOTE:

- PULSE INPUT (DRY CONTACT) CAN BE USED TO CONNECT THESE INPUTS:
- PULSE SIGNAL (KYZ) FROM REVENUE METERS (ELECTRIC/GAS/WATER)
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