


TOTAL PANEL WEIGHT
 7.5 kVA: 580 LBS (263 Kg)
 10 kVA: 700 LBS (318 Kg)

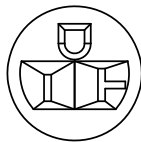
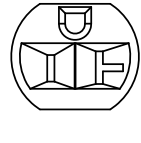
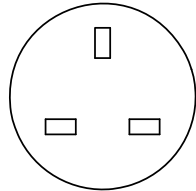
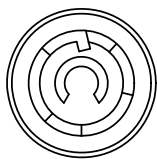
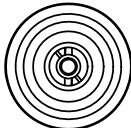
GENERAL NOTES:
 1. GALVANIZED ROHS COMPLIANT STEEL BOX CONSTRUCTED IN ACCORDANCE WITH UL50
 2. FRONT TRIM, TYPE 304 SS WITH #4 POLISH FINISH.
 3. BOLT-ON CHASSIS FASTENS TO STUDS IN BOX.

ITEM	DESCRIPTION							
	SYSTEM "A"				SYSTEM "B"			
1	KVA	VOLTAGE		FREQ	KVA	VOLTAGE		FREQ
		PRIMARY	SECONDARY			PRIMARY	SECONDARY	
	7.5	120	120	60	7.5	120	120	60
	10	208	208		10	208	208	
		277	220			277	220	
		480				480		

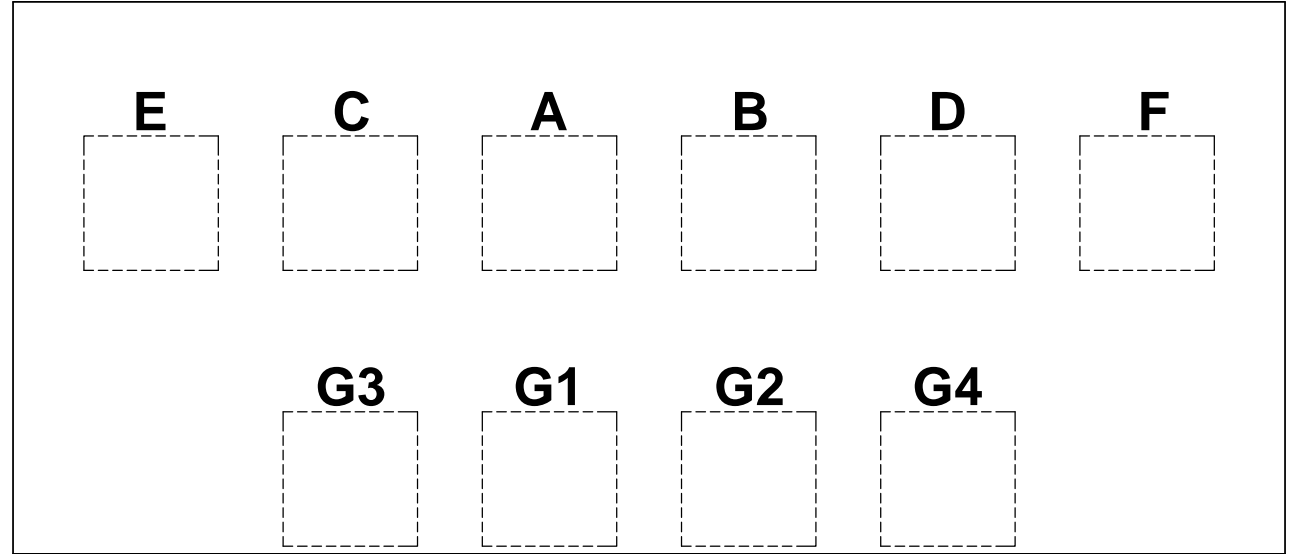
INTERIOR ASSEMBLY			
		SYSTEM "A"	SYSTEM "B"
2	MAIN BREAKER		
3	BRANCH BREAKERS*	QTY	QTY
		15 A	15 A
		20 A	20 A
	30 A	30 A	
4	COMMUNICATION GATEWAY	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
5	FAULT LOCATION SYSTEM	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
6	CURRENT MONITORING SYSTEM	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
7	TRANSFORMER LOAD MONITOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
8	GROUND BUS		
9	LINE ISOLATION MONITOR (LIM2010)		
10	CP-LIM2010 CONNECTOR PLATE		
11	RECEPTACLE PLATE CONFIGURATION: SEE SHEET 2		
12	FRONT TRIM: T8238R		
13	BACKBOX: B803608F		

* 16 BREAKERS MAX PER SYSTEM 2 POLE, 10 kAIC

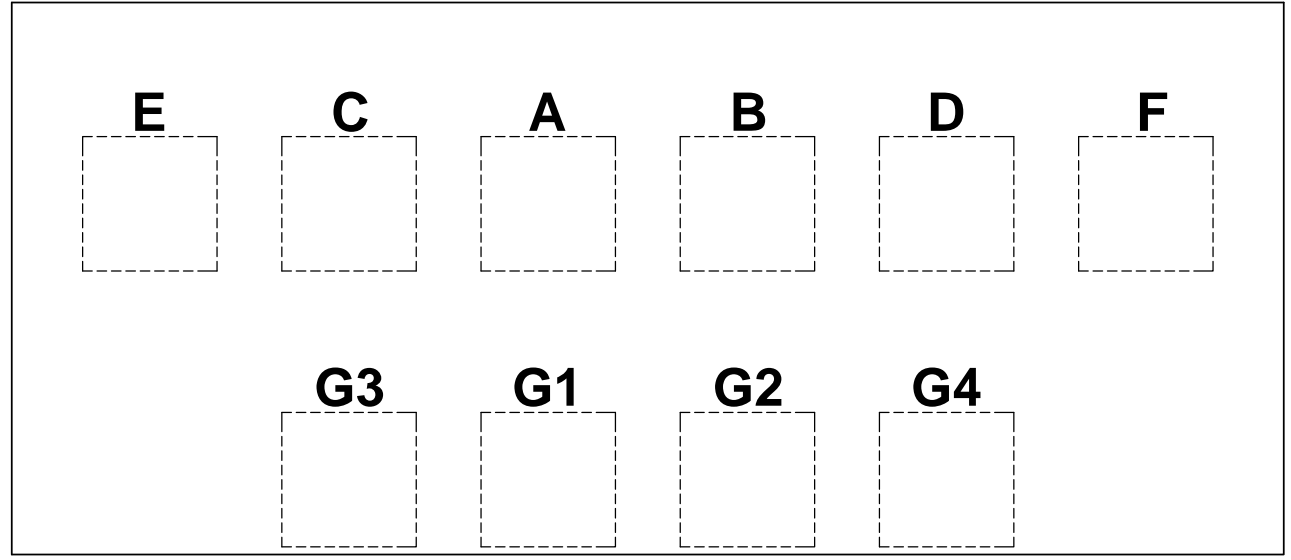
PROJECT:		TITLE:	
SALES ORDER		DWG. NO.	
QTY.			
MODEL			
ARTICLE #		REV	
DRAWN BY		 420 Eagleview Blvd. Exton, PA 19341-1116 1-800-356-4266	
APPROVED BY			

THE FOLLOWING RECEPTACLES CAN BE USED AT LOCATIONS "A" - "F"		
ABRV.	TYPE OF RECEPTACLES (120V)	
NN	NONE	
SR	NEMA 5-20R SINGLE, RED, HOSPITAL GRADE	
SI	NEMA 5-20R SINGLE, IVORY, HOSPITAL GRADE	
SW	NEMA 5-20R SINGLE, WHITE, HOSPITAL GRADE	
DR	NEMA 5-20R DUPLEX, RED, HOSPITAL GRADE	
DI	NEMA 5-20R DUPLEX, IVORY, HOSPITAL GRADE	
DW	NEMA 5-20R DUPLEX, WHITE, HOSPITAL GRADE	
TB	TWIST-TO-LOCK, BLACK #623000	
BS	BRITISH STANDARD	
THE FOLLOWING RECEPTACLES CAN BE USED AT LOCATIONS "A" - "F"		
ABRV.	TYPE OF RECEPTACLES (208V)	
Y8	NEMA L6-30R 30A/250V TWIST	
THE FOLLOWING GROUND JACKS CAN BE USED AT LOCATIONS "G1" - "G4"		
ABRV.	GROUND JACK	
G	30 A GROUND JACK, HOSPITAL GRADE, TWIST-TO-LOCK	


SYSTEM "A"



SYSTEM "B"

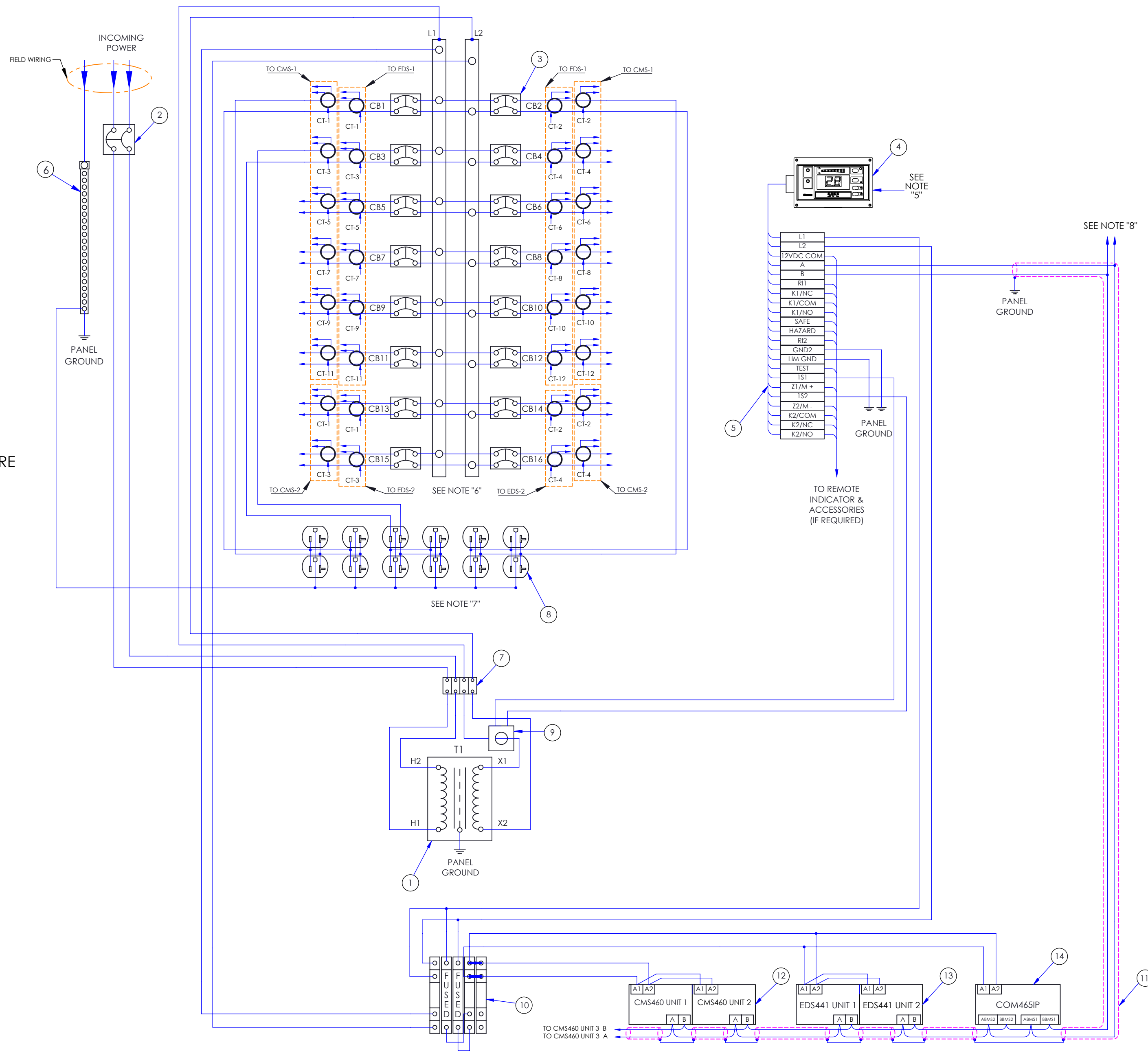


NOTE: UP TO SIX RECEPTACLES MAY BE USED AT LOCATIONS "A" - "F" AND UP TO FOUR GROUND JACKS MAY BE USED ON THE RECEPTACLE PLATE AT LOCATIONS DESIGNATED "G" PER SYSTEM

PROJECT:		TITLE:	
SALES ORDER		DWG. NO.	
QTY.			
MODEL			
ARTICLE #		REV	
DRAWN BY		 420 Eagleview Blvd. Exton, PA 19341-1116 1-800-356-4266	
APPROVED BY			

ITEM	DESCRIPTION
1	ISOLATION TRANSFORMER
2	PRIMARY MAIN BREAKER
3	BRANCH CIRCUIT BREAKERS (16 BREAKERS MAX, 2 POLE, 10 kAIC)
4	LINE ISOLATION MONITOR (LIM2010)
5	CP-LIM2010 CONNECTOR PLATE
6	GROUND BUS
7	TRANSFORMER TERMINAL BLOCK (TTB)
8	RECEPTACLES (MAX 6)
9	LOAD MONITOR CT (STW3)
10	ACCESSORY TERMINAL BLOCK (ATB)
11	SHIELDED TWISTED PAIR CABLE
12	BRANCH LOAD MONITOR (CMS460)
13	FAULT MONITOR (EDS441)
14	COMMUNICATIONS (COM465IP)

DIAGRAM DISPLAYED HERE
SHALL BE REFERENCED
AS SYSTEM "A"

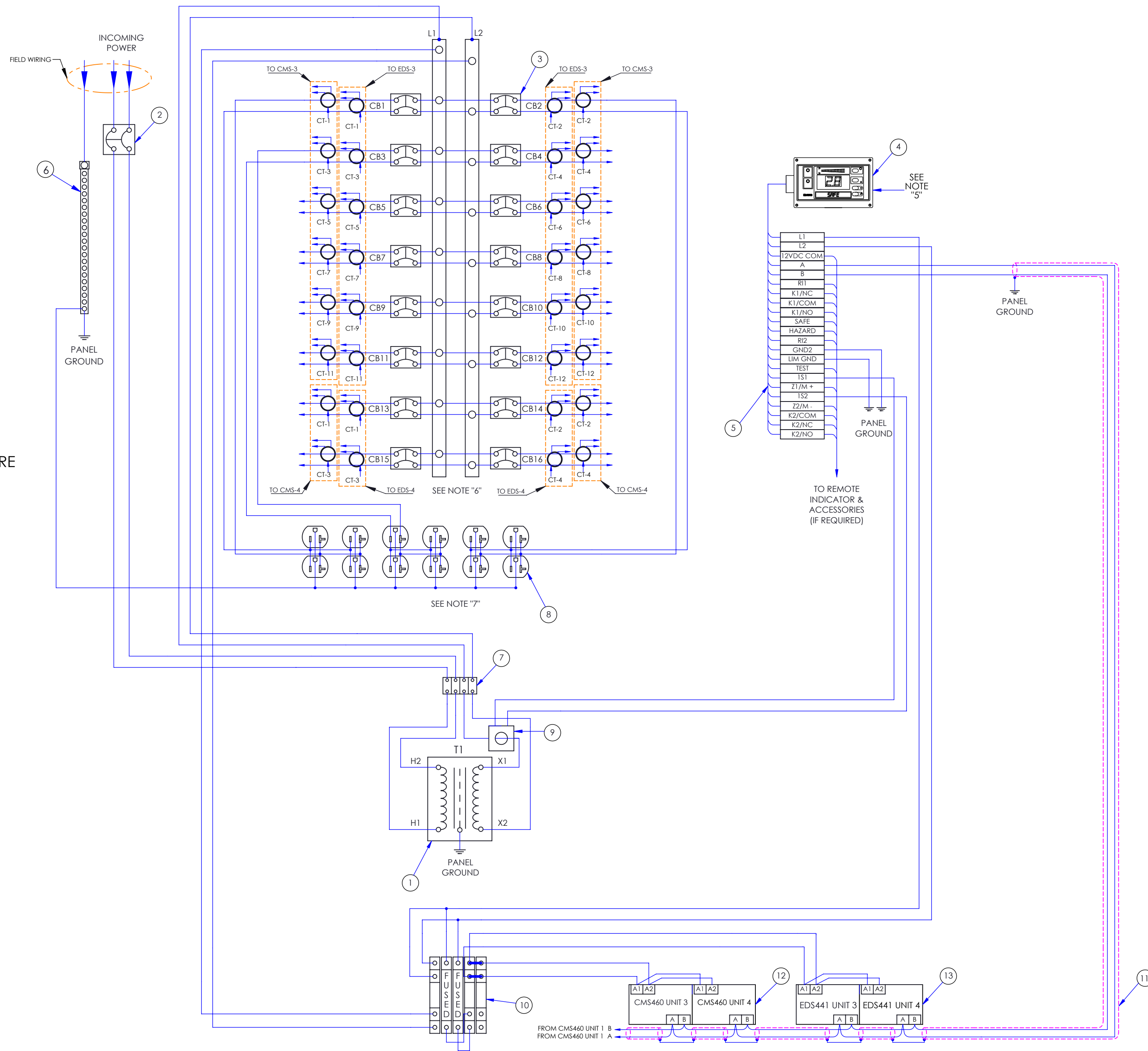


- NOTES:**
1. Type XHHW wire with a dielectric constant of less than 3.5 is recommended for all branch circuit field wiring.
 2. Polarity shall be observed in all instances.
 3. Size of all conductors shall be in accordance with all UL, NEC, NFPA and State Fire Marshall requirements.
 4. All remote indication circuitry shall be low voltage and will not contribute leakage to the system.
 5. When other panels/units with RS-485 communication are added onto panel, slide switch "R" on bottom of unit must be positioned in the "off" position. If additional RS-485 related equipment is not connected, slide "R" switch must be in the "on" position.
 6. Quantity of branch breakers (CB1 - CB16), CTs (CT1 - CT12), EDS441 (EDS1 & EDS2), and CMS460 (CMS1 & CMS2) shown for reference only. See elevation drawing for specific values provided.
 7. Quantity of receptacles (R1 - R6) shown for reference only. See elevation drawing for specific values provided.
 8. Customer connections for daisy-chaining RS-485 equipment, if required.

TITLE: MIX WIRING DIAGRAM W/ RECEPTACLES, STW3, CMS460, EDS441, & COM465IP	DRAWN BY T. COYLE	01/27/20	 420 Eagleview Blvd. Exton, PA 19341-1116 1-800-356-4266	DWG. NO. 442 0100	REV 2
	APPROVED BY			SHEET 1 OF 2	

ITEM	DESCRIPTION
1	ISOLATION TRANSFORMER
2	PRIMARY MAIN BREAKER
3	BRANCH CIRCUIT BREAKERS (16 BREAKERS MAX, 2 POLE, 10 kAIC)
4	LINE ISOLATION MONITOR (LIM2010)
5	CP-LIM2010 CONNECTOR PLATE
6	GROUND BUS
7	TRANSFORMER TERMINAL BLOCK (TTB)
8	RECEPTACLES (MAX 6)
9	LOAD MONITOR CT (STW3)
10	ACCESSORY TERMINAL BLOCK (ATB)
11	SHIELDED TWISTED PAIR CABLE
12	BRANCH LOAD MONITOR (CMS460)
13	FAULT MONITOR (EDS441)

DIAGRAM DISPLAYED HERE
SHALL BE REFERENCED
AS SYSTEM "B"



- NOTES:
1. Type XHHW wire with a dielectric constant of less than 3.5 is recommended for all branch circuit field wiring.
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APPROVED BY				SHEET 2 OF 2	