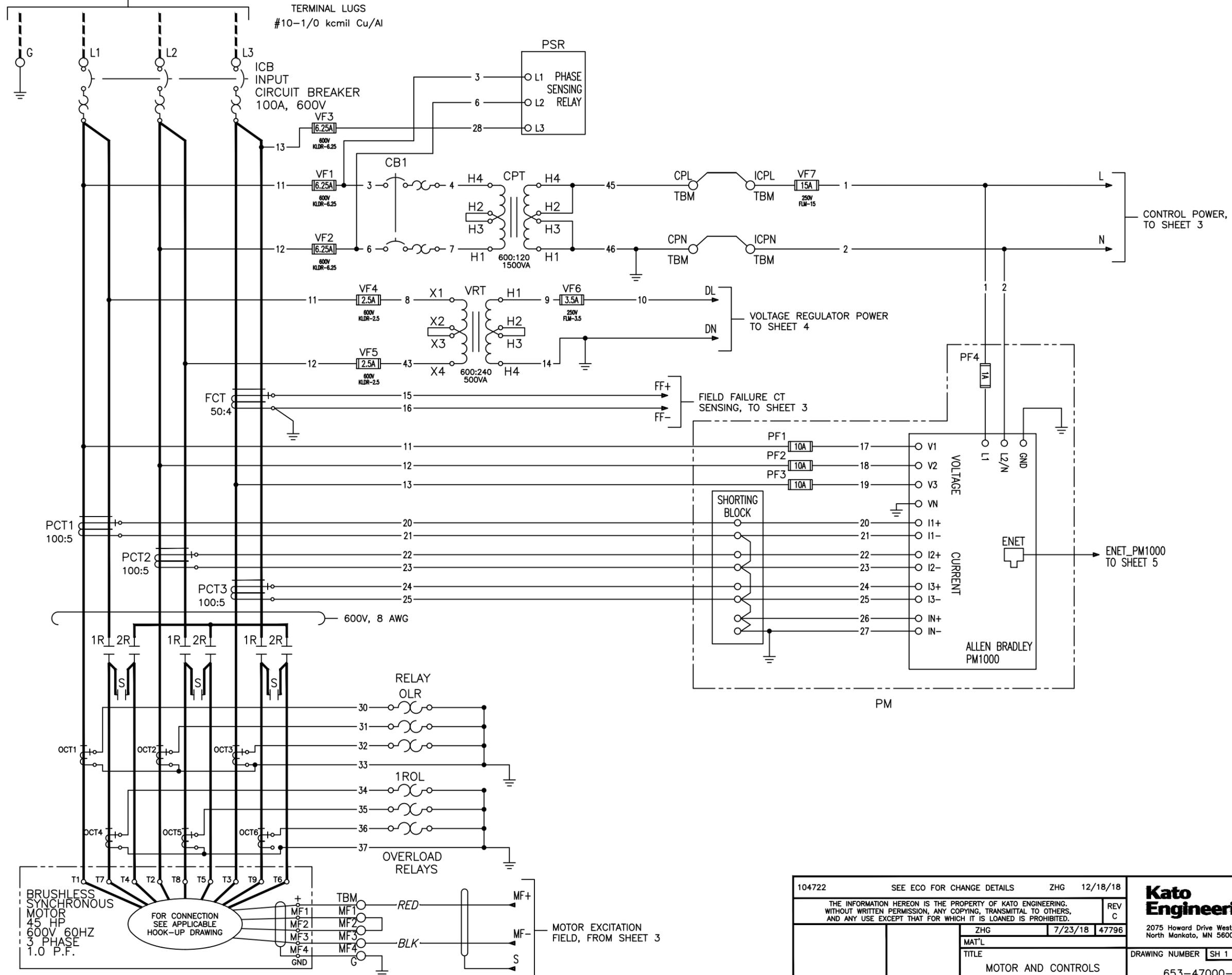


600VAC, 60HZ INPUT POWER

TERMINAL LUGS  
#10-1/0 kcmil Cu/Al



BRUSHLESS SYNCHRONOUS MOTOR  
45 HP  
600V 60HZ  
3 PHASE  
1.0 P.F.

FOR CONNECTION SEE APPLICABLE HOOK-UP DRAWING

MOTOR EXCITATION FIELD, FROM SHEET 3

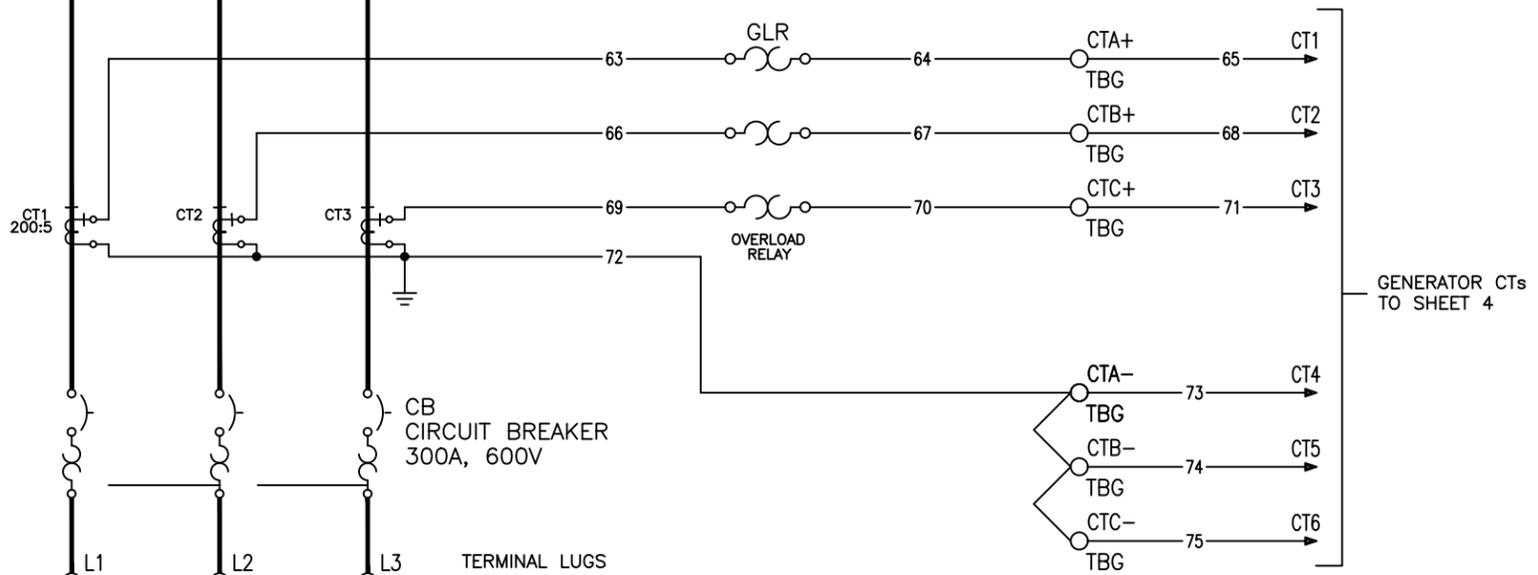
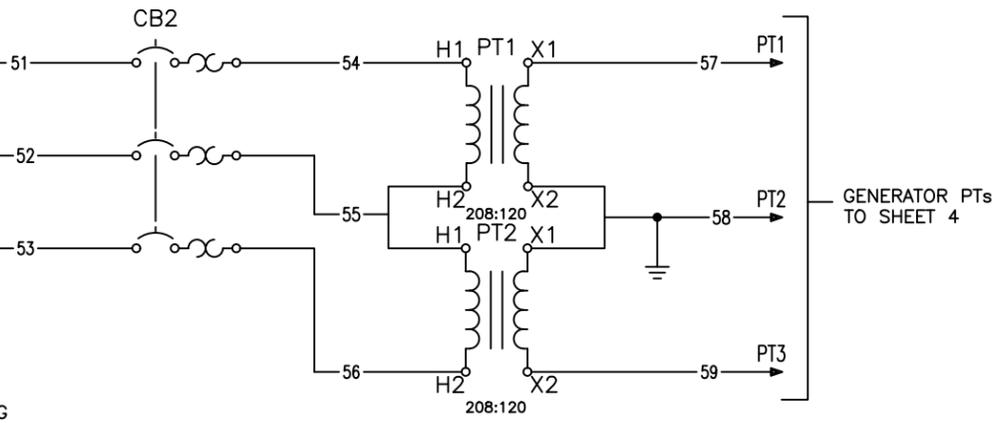
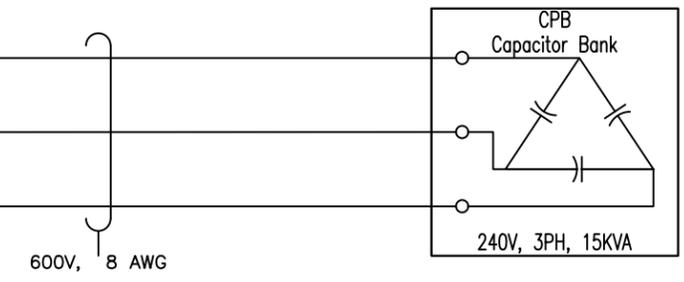
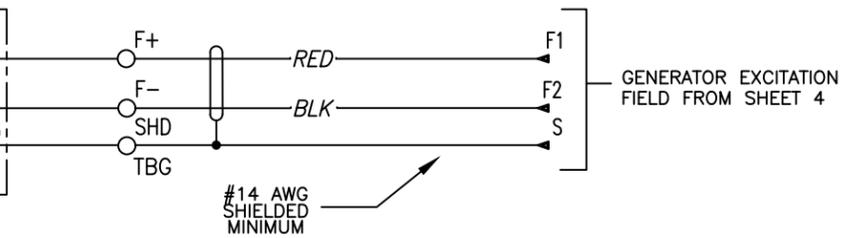
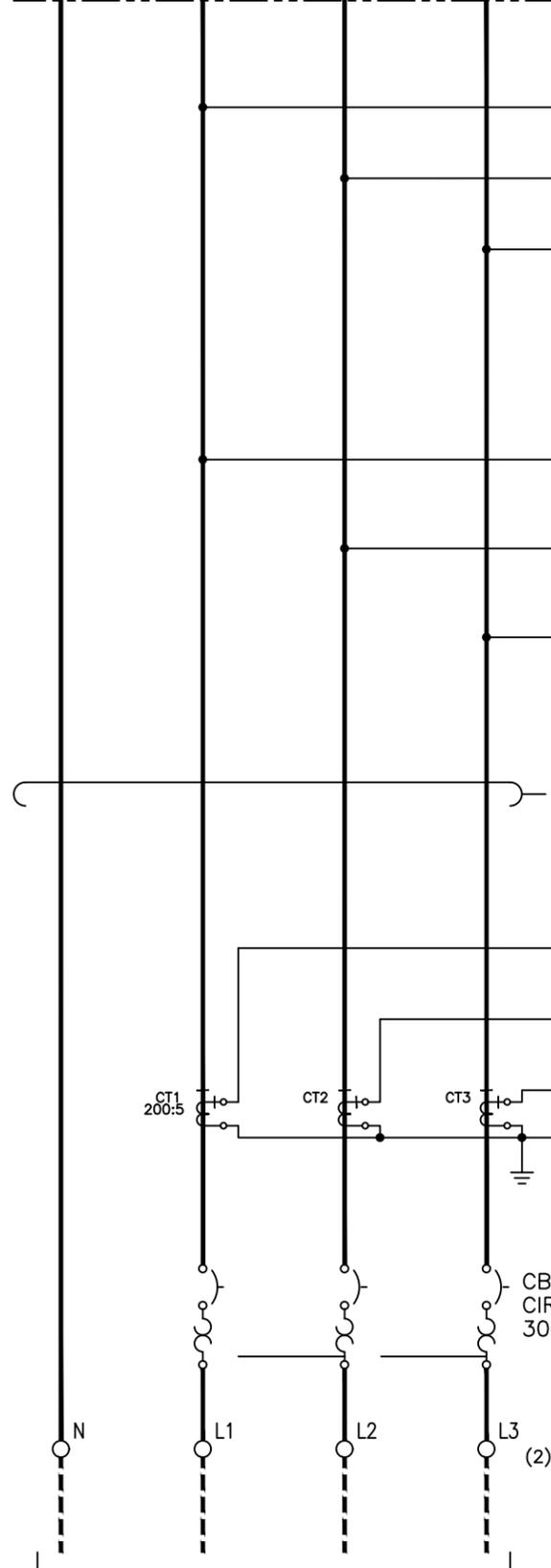
104722	SEE ECO FOR CHANGE DETAILS	ZHG	12/18/18
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		ZHG	7/23/18 47796
MAT'L			
TITLE			
MOTOR AND CONTROLS			

**Kato Engineering**  
2075 Howard Drive West  
North Mankato, MN 56003

DRAWING NUMBER SH 1 OF 7  
653-47000-17

BRUSHLESS SYNCHRONOUS GENERATOR  
 37.5 KVA  
 120/208V 60HZ  
 3 PHASE  
 .8 P.F.

FOR CONNECTION SEE APPLICABLE HOOK-UP DRAWING

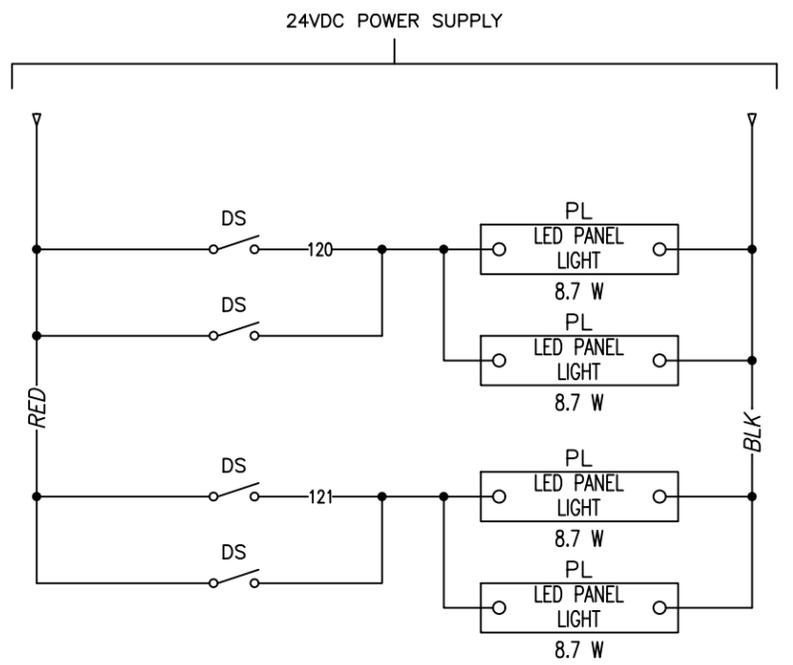
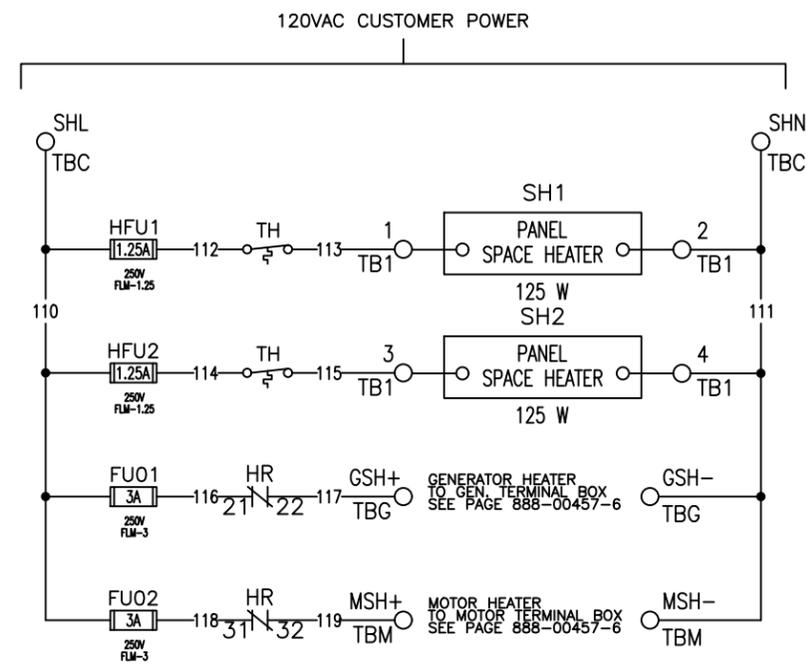
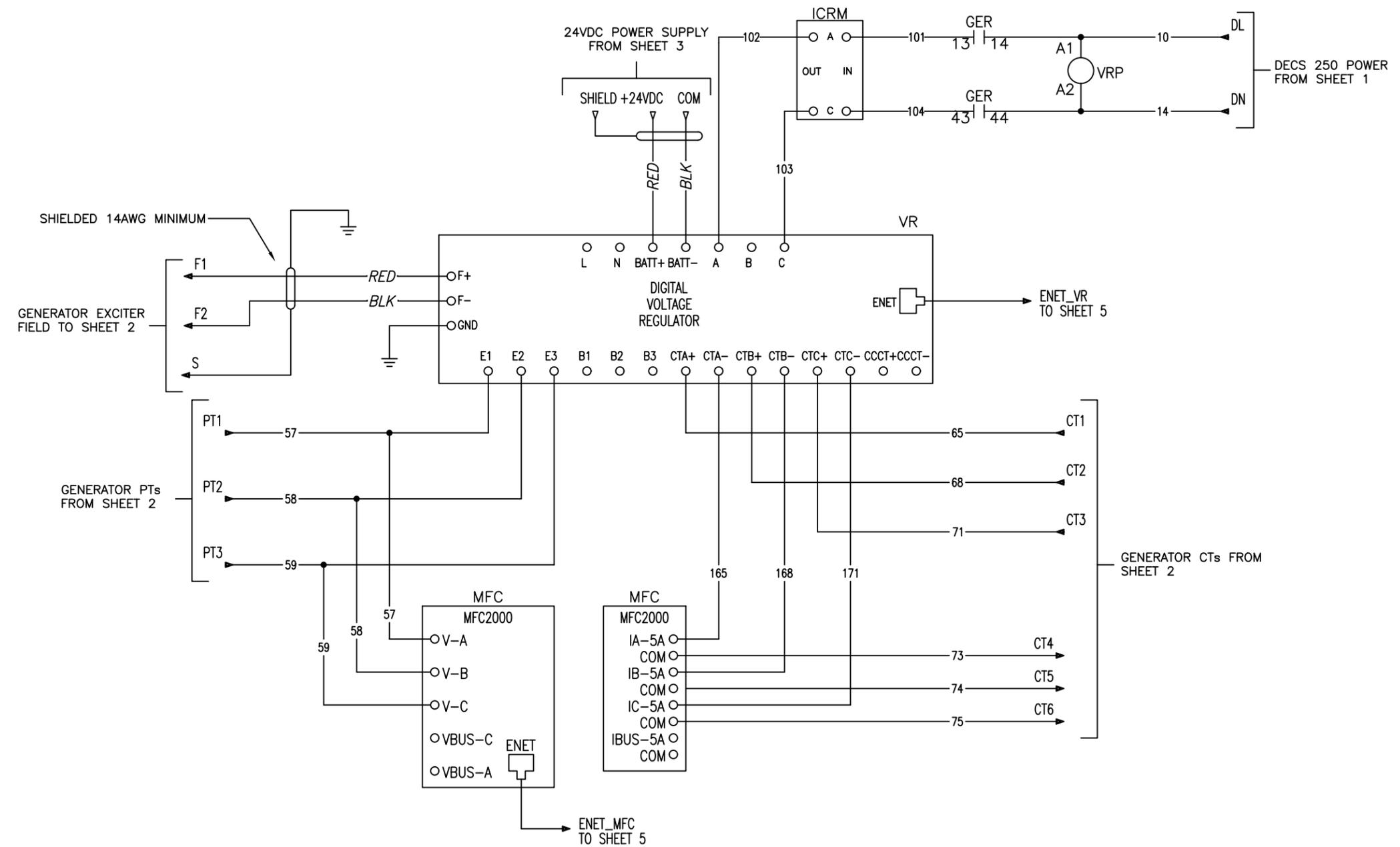


TERMINAL LUGS  
 (2) #14-1/0 kcmil Al/Cu

120/208VAC, 60HZ OUTPUT POWER

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MAT'L TITLE GENERATOR AND CONTROLS		ZHG	7/23/18	47796
DRAWING NUMBER SH 2 OF 7				653-47000-17

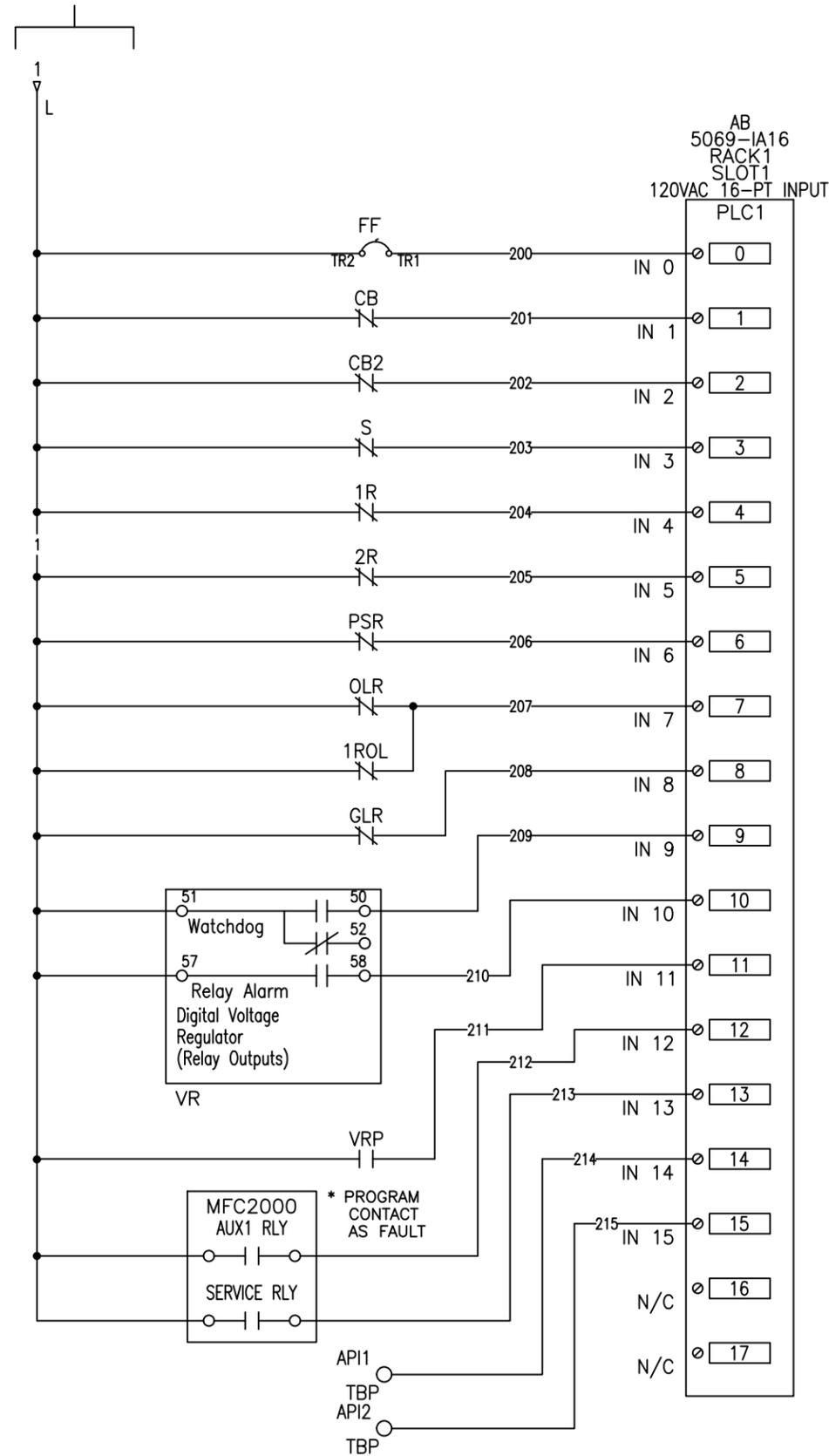




Note: Each panel light is to be mounted on the ceiling, inside the controls panel and should be centered above each door.

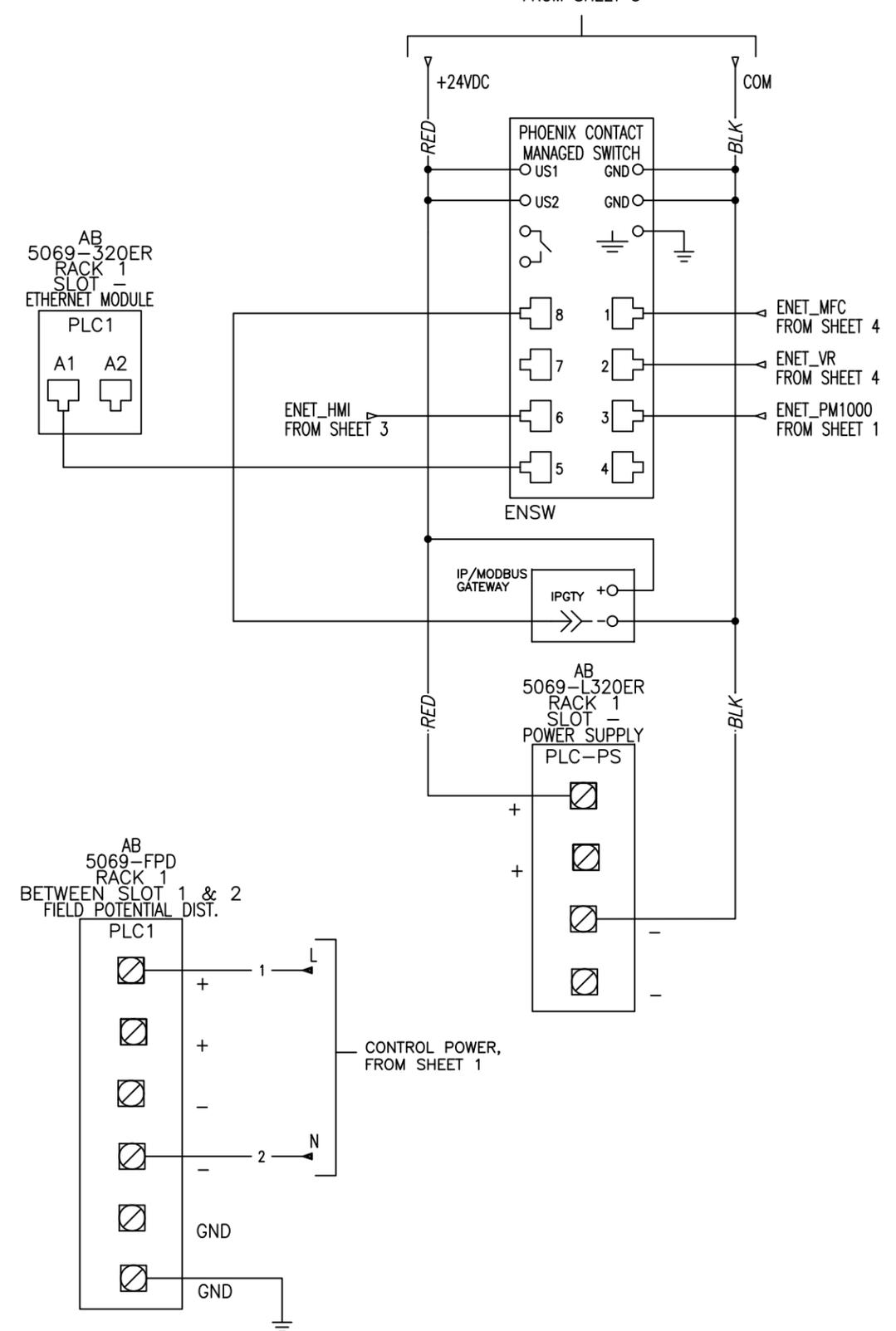
104722	SEE ECO FOR CHANGE DETAILS	ZHG	12/18/18
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ZHG		7/23/18	47796
MAT'L		2075 Howard Drive West North Mankato, MN 56003	
TITLE		DRAWING NUMBER SH 4 OF 7	
MAIN CONTROL PANEL GENERATOR CONTROLS		653-47000-17	

120VAC POWER SUPPLY FROM SHEET 3



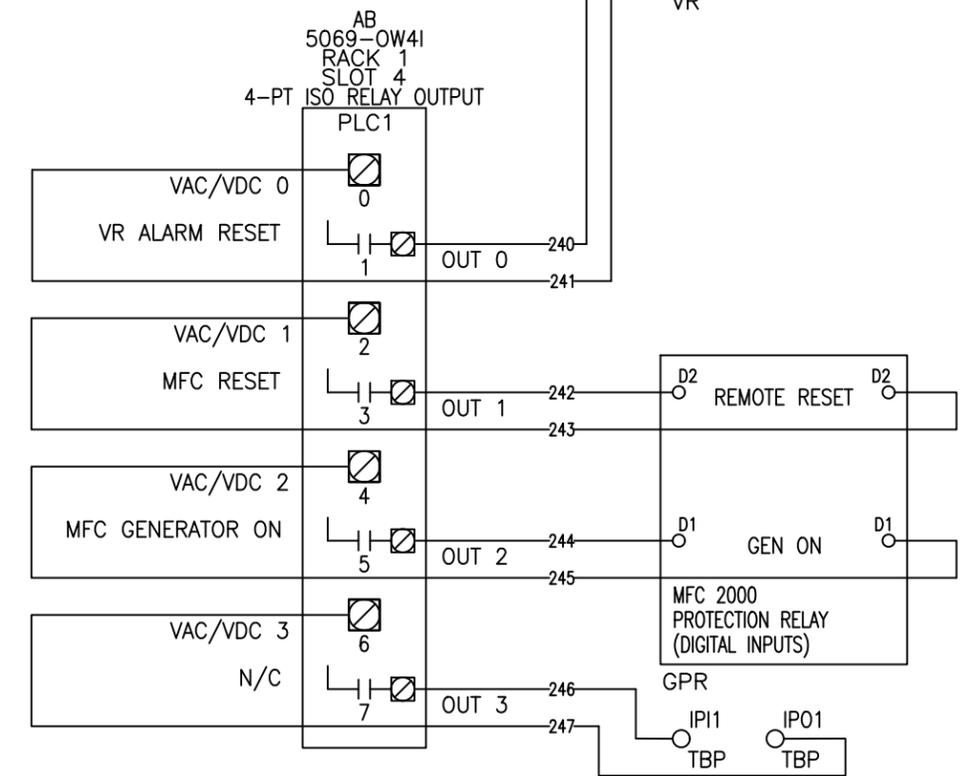
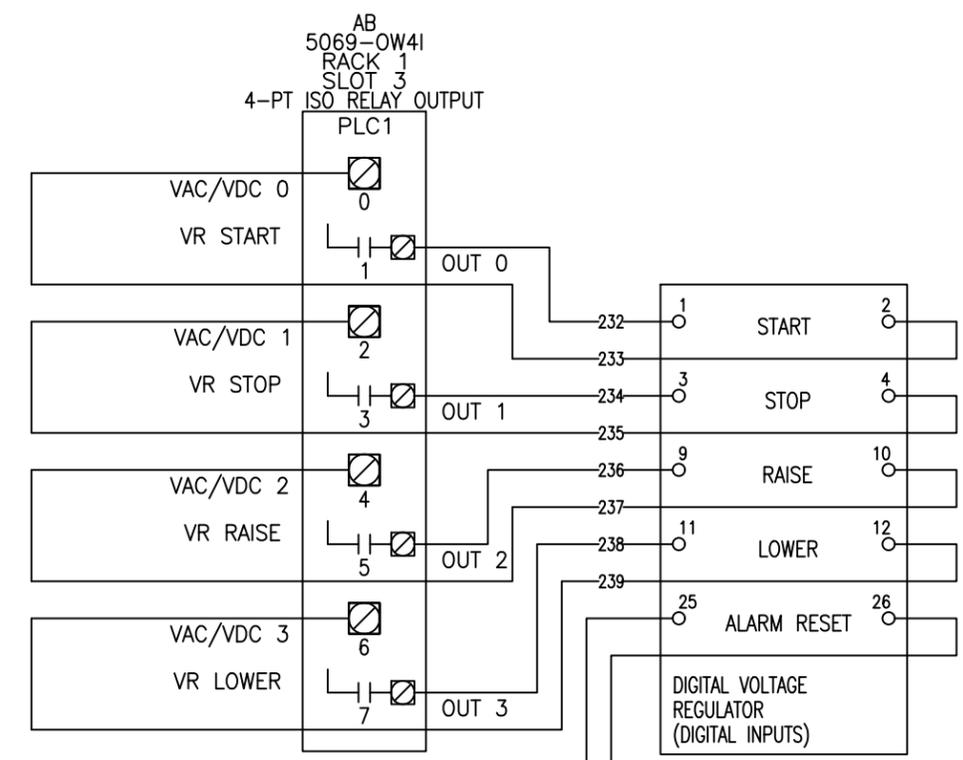
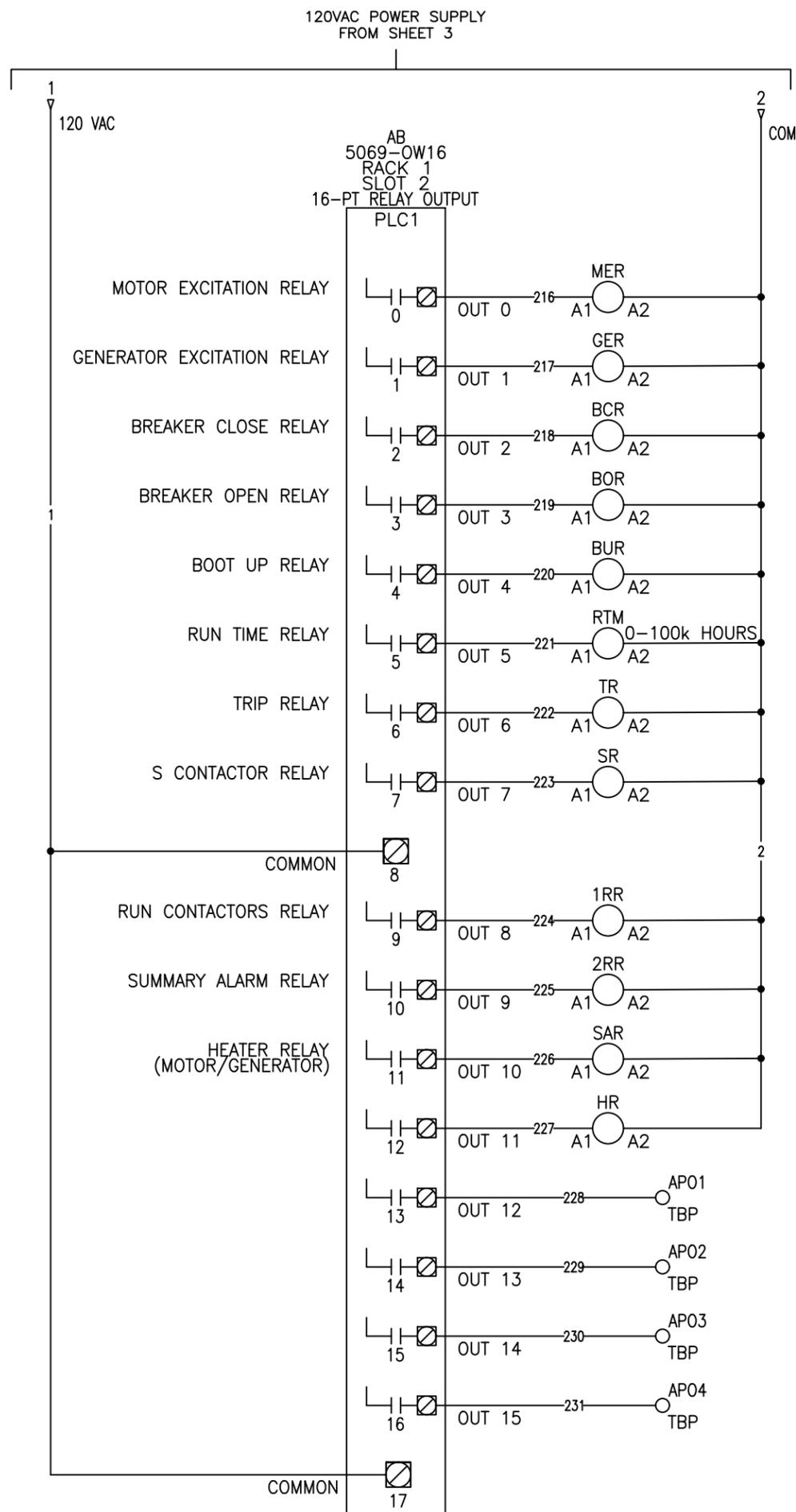
- FIELD FAILURE
- C/B CONTACT (OUTPUT BREAKER)
- C/B/2 CONTACT (VOLTAGE SENSE PT)
- START CONTACTOR
- RUN CONTACTOR 1
- RUN CONTACTOR 2
- PHASE SENSING RELAY
- MOTOR OVERLOAD RELAY
- GENERATOR OVERLOAD RELAY
- DECS WATCHDOG
- DECS RELAY ALARM
- VOLTAGE REG. POWER SENSE
- MFC FAULT RELAY
- MFC SERVICE RELAY
- N/C
- N/C

24VDC POWER SUPPLY FROM SHEET 3



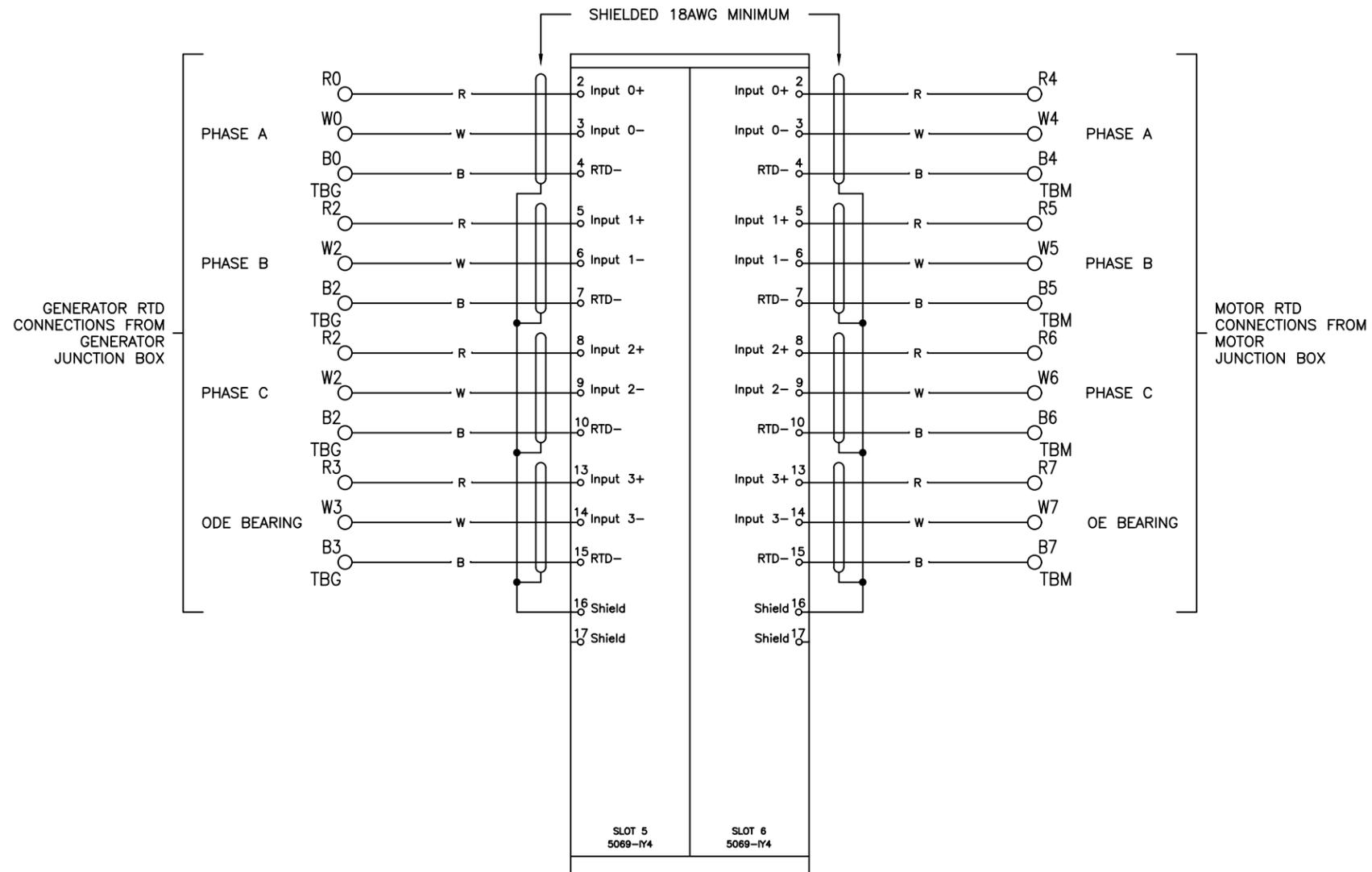
Note: Each connection between relay and terminal should be made with 18 AWG.  
Terminals on Slot X are made to accept only one wire.

104722	SEE ECO FOR CHANGE DETAILS	ZHG	12/18/18	<b>Kato Engineering</b> 2075 Howard Drive West North Mankato, MN 56003
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		ZHG	7/23/18	47796
TITLE MAIN CONTROL PANEL PLC CONTROLS		DRAWING NUMBER SH 5 OF 7		653-47000-17



Note: Each connection between relay and terminal should be made with 18 AWG. Terminals on Slot X are made to accept only one wire.

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MAT'L		ZHG	7/23/18	47796
TITLE		MAIN CONTROL PANEL PLC CONTROLS		DRAWING NUMBER SH 6 OF 7
				653-47000-17



104722	SEE ECO FOR CHANGE DETAILS	ZHG	12/18/18
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	ZHG	7/23/18	47796
TITLE MAIN CONTROL PANEL AND RTD CONTROLS		DRAWING NUMBER SH 7 OF 7 653-47000-17	

**Kato Engineering**  
2075 Howard Drive West  
North Mankato, MN 56003