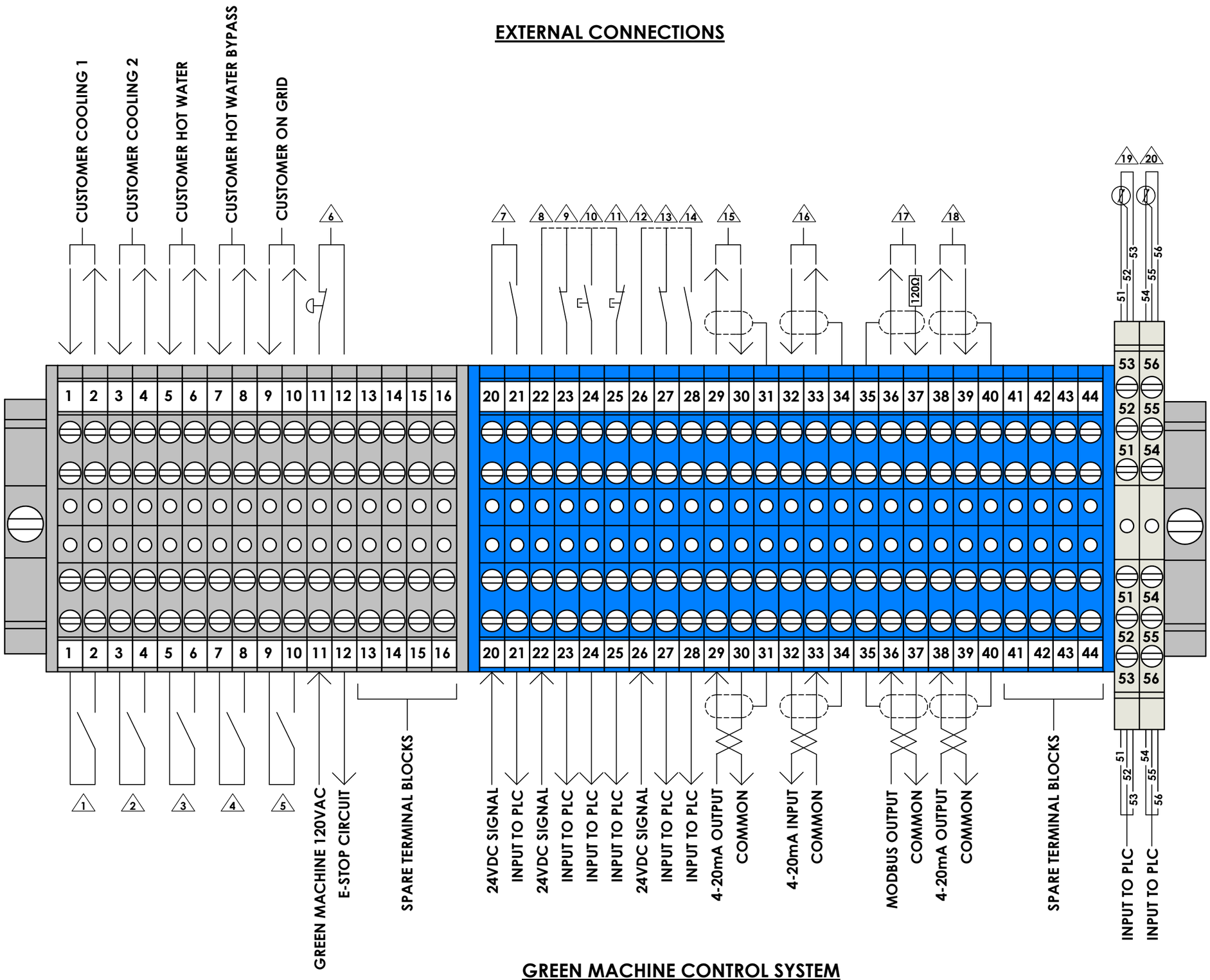
REVISIONS		
REV.	ECN	DESCRIPTION
A	100416	PRODUCTION RELEASE
B	100428	UPDATE #51-56 LABELS; REMOVE "COMMON" FROM NOTE 3 AND 17

EXTERNAL CONNECTIONS



GREEN MACHINE CONTROL SYSTEM

CUSTOMER AND FIELD CONNECTIONS TERMINAL STRIP

1. COOLING ENABLE 1 RELAY CONTACT
   NORMALLY OPEN DRY CONTACT OUTPUT (RELAY CONTACT RATED 250V, 2A)
2. COOLING ENABLE 2 RELAY CONTACT
   NORMALLY OPEN DRY CONTACT OUTPUT (RELAY CONTACT RATED 250V, 2A)
3. HOT WATER RELAY CONTACT
   NORMALLY OPEN DRY CONTACT OUTPUT (RELAY CONTACT RATED 250V, 2A)
4. HOT WATER BYPASS RELAY CONTACT
   NORMALLY OPEN DRY CONTACT OUTPUT (RELAY CONTACT RATED 250V, 2A)
5. ON GRID RELAY CONTACT
   NORMALLY OPEN DRY CONTACT OUTPUT (RELAY CONTACT RATED 240V, 2A)
6. EXTERNAL E-STOP BUTTON, 120VAC
   TERMINAL BLOCKS 11 & 12 MUST BE JUMPERED IF NOT USED
7. EXTERNAL E-STOP BUTTON ALARM
   24VDC NORMALLY OPEN CONTACT OUTPUT
8. 24VDC
9. GRID PROTECTION RELAY CONTACT
   TERMINAL BLOCKS 22 & 23 MUST BE JUMPERED IF NOT USED
10. REMOTE PANEL START BUTTON, 24VDC
11. REMOTE PANEL STOP BUTTON, 24VDC
    TERMINAL BLOCKS 22 & 25 MUST BE JUMPERED IF NOT USED
12. 24VDC
13. LOW OXYGEN SAFETY ALARM
    24VDC NORMALLY CLOSED CONTACT INPUT
14. AUXILARY SAFTEY FANS RUNNING ALARM (FOR LOW OXYGEN OR TEMP CONTROL)
    24VDC NORMALLY OPEN CONTACT INPUT
15. HOT WATER FLOW METER SIGNAL TO CUSTOMER
    4-20mA OUTPUT FROM PLC
16. HOT WATER FLOW METER SIGNAL FROM FIELD DEVICE
    4-20mA INPUT TO PLC
17. MODBUS (120Ω RESISTOR MUST BE INSTALLED AFTER LAST DEVICE IN CIRCUIT)
18. AIR COOLED CONDENSER FAN SPEED CONTROL
    4-20mA OUTPUT
19. AMBIENT TEMPERATURE RTD
20. GREEN MACHINE ENCLOSURE TEMPERATURE RTD

D ETS-90088 B

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	ELECTRATHERM 4750 TURBO CIRCLE RENO, NV 89502 (775) 398-4680
DIMENSIONS ARE IN INCHES[MM] TOLERANCES: FRACTIONAL ± 1/16" ANGULAR: MACH ± .5° BEND ±1° 2 PLACE DECIMAL ± .10[2.5] 3 PLACE DECIMAL ± .030[0.80]	DRAWN	JPR	10 FEB 13	TITLE: Diagram, Cust Connection Terminal Block, 005
	CHECKED	JRT	10 FEB 13	
	ENG APPR.	TEB	10 FEB 13	
INTERPRET GEOMETRIC DIMENSIONING & TOLERANCING PER: ASME Y14.5M-2009	MATERIAL N/A			
	FINISH N/A			
DO NOT SCALE DRAWING	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ELECTRATHERM INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ELECTRATHERM INC. IS PROHIBITED.			SIZE D / DWG. NO. ETS-90088 / REV B / SCALE: 1:2 / WEIGHT: N/A / SHEET 1 OF 1