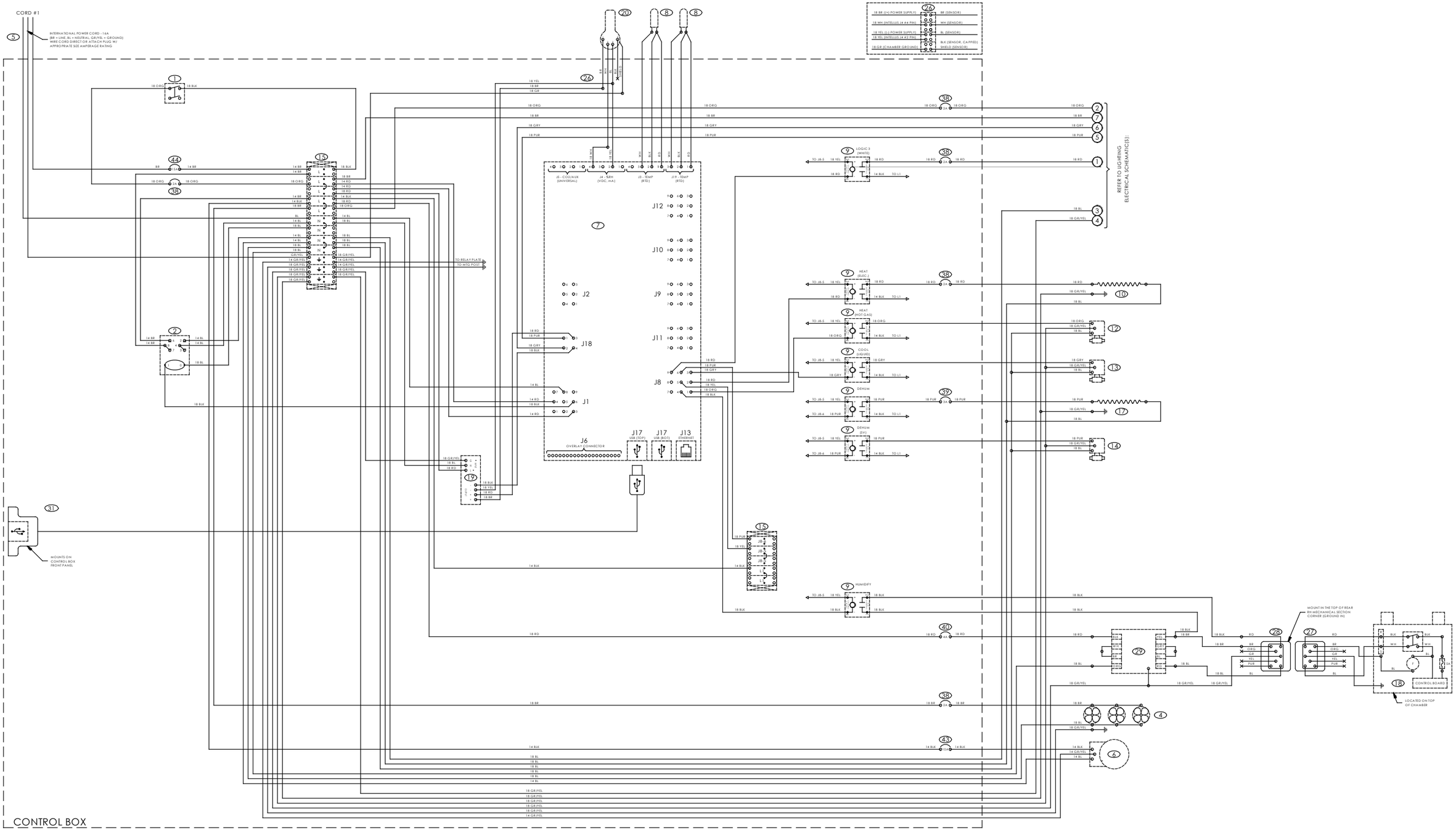

1 - POWER SWITCH - DPST, 20A, 125VAC (ESW-130)
2 - POWER RELAY - DPDT, 30A, 240VAC (ERL-030)
3 -
4 - UNIT COOLER - 1.2A, 220V, 50/60Hz (RCO-084)
5 - POWER CORD - INTERNATIONAL, 3-WIRE, 16A, 230VAC (ECD-024)
6 - CONDENSING UNIT - 4.4A, 220/1/50 (RCU-313)
7 - CONTROLLER W/ OVERLAY - INTELLUS, 85-264VAC, 50/60Hz (ETC-094 & ETC-109)
8 - TEMPERATURE SENSOR - RTD, 100 Ohm, 0.00385 Ohm/Ohm/°C (ETC-052)
9 - RELAY - DIN-MOUNT, SS, NO, 3-32VDC INPUT, 24-240VAC OUTPUT, 5A (ERL-060)
10 - HEATING HEATER - 250W @ 230VAC, 1.1A (EHE-046)
11 -
12 - SOLENOID VALVE - HOT GAS LINE, 240VAC (RVS-027, -028, -031)
13 - SOLENOID VALVE - LIQUID LINE, 240VAC (RVS-027, -028, -030)
14 - SOLENOID VALVE - DEHUMIDIFY LINE, 240VAC (RVS-027, -028, -030)
15 - TERMINAL BLOCK - WAGO, SERIES 2004, AWG 20-10, 30A, 600V
16 -
17 - REHEAT HEATER - 350W @ 230VAC, 1.52A (EHE-053)
18 - HUMIDIFIER - ULTRASONIC, STULZ #SCA-1000, 48 VAC, 100VA, 0.43A (EHU-038)
19 - POWER SUPPLY - 85-264VAC INPUT, 12VDC OUTPUT, 96W (EPS-033)
20 - HUMIDITY SENSOR - VAISALA HMP60, 0-1VDC OUTPUT (EHU-073)
21 -
22 -
23 -
24 -
25 -
26 - TERMINAL BLOCK - WAGO, 16-CONDUCTOR, 4-TERMINAL, SNAP-IN (ETE-030)
27 - PLUG - EMF #P-7-1, 7-PIN, 7-COLOR (EPL-052)
28 - RECEPTACLE - 7-PIN, 7-COLOR, AWG 18, 108" WIRE LENGTH (ERE-083)
29 - TRANSFORMER - 117-234 VAC INPUT, 24-48 VAC OUTPUT, 196VA (ETR-044)
30 -
31 - CABLE - USB, FEMALE-MALE, 3ft LENGTH (EPC-032)
32 -
33 -
34 -
36 -
37 -
38 - CIRCUIT BREAKER - ALTECH 1DU2L, 1-POLE, 2A (EBR-147)
39 - CIRCUIT BREAKER - ALTECH 1DU3L, 1-POLE, 3A (EBR-163)
40 - CIRCUIT BREAKER - ALTECH 1DU4L, 1-POLE, 4A (EBR-164)
41 -
42 -
43 - CIRCUIT BREAKER - ALTECH 1DU10L, 1-POLE, 10A (EBR-145)
44 - CIRCUIT BREAKER - ALTECH 1DU15L, 1-POLE, 15A (EBR-146)
45 -

ELECTRICAL SYSTEM CHARACTERISTICS				
VOLTAGE: 230 VAC	PHASE: 1Ø		FREQUENCY: 50 Hz	
AMPERAGE DRAW				
MODEL #	L1	N/A	N/A	RLA/MCA
CU-41L4	9.9 A	-	-	9.9/12.4 A
- PROVIDE THHN STRANDED COPPER CONDUCTORS W/ A TEMPERATURE RATING OF 90°C (194°F).				

PERCIVAL SCIENTIFIC, INC.

TITLE: ELECTRICAL SCHEMATIC - GENERAL			
MODEL: CU-41L4		DRAWING: 033586-3-0-1	REV.: -
BY: RAS	DATE: 02/05/24		