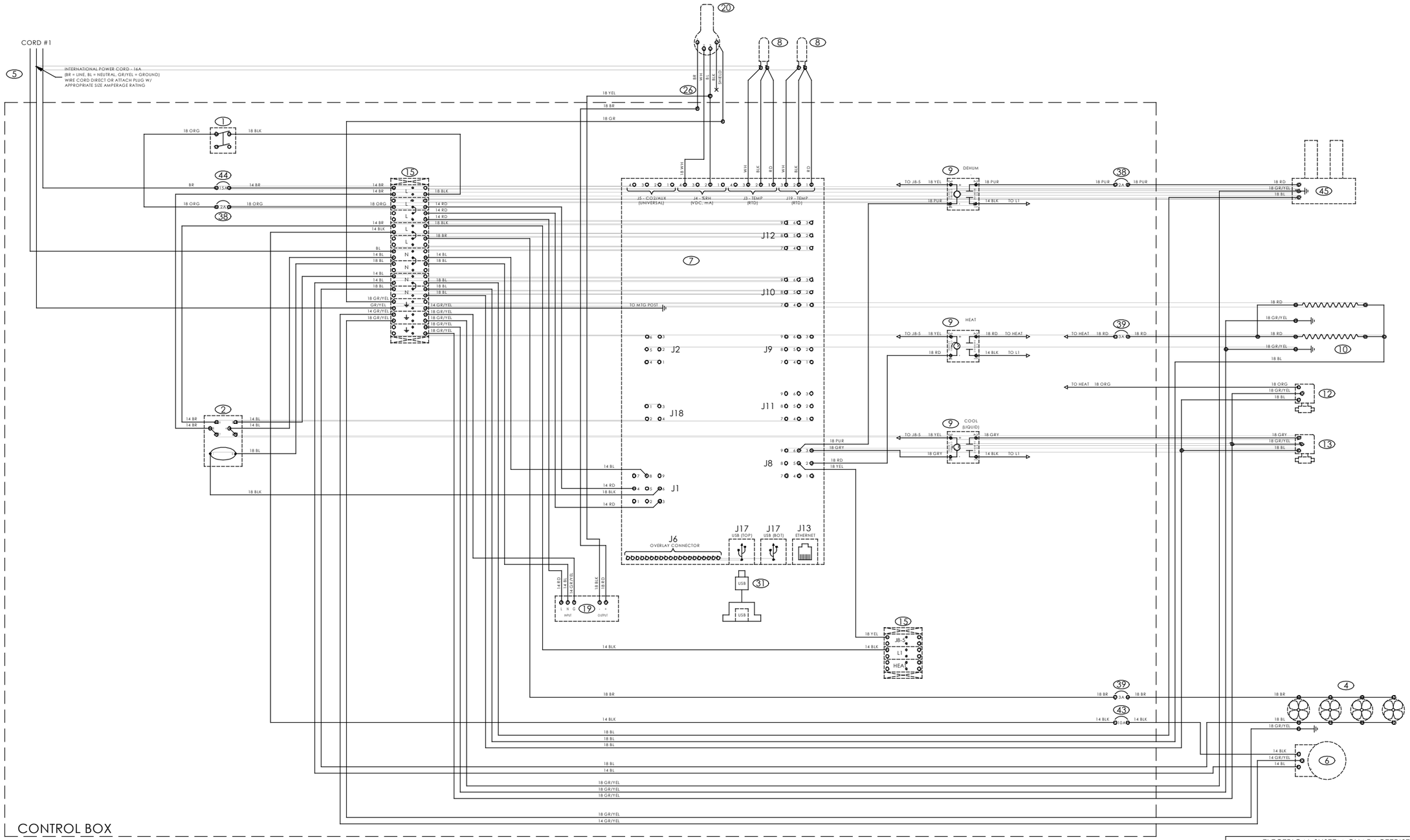

1 - POWER SWITCH - DPST, 10/20A, 125/250VAC (ESW-130)
2 - POWER RELAY - DPDT, 30A, 240VAC (ERL-030)
3 -
4 - UNIT COOLER - 1.6A, 220V, 50/60Hz (RCO-053)
5 - POWER CORD - INTERNATIONAL, 3-WIRE, 16A, 230VAC (ECD-024)
6 - CONDENSING UNIT - 5.4A, 220/1/50 (RCU-313)
7 - CONTROLLER W/ OVERLAY - INTELLUS, 85-264VAC, 50/60Hz (ETC-108 & ETC-109)
8 - TEMPERATURE SENSOR - RTD, 100 Ohm, 0.00385 Ohm/Ohm/°C (ETC-052)
9 - RELAY - CARLO GAVAZZI, 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 -
15 - TERMINAL BLOCK - WAGO, SERIES 2004, AWG 20-10, 30A, 600V
16 -
17 -
18 -
19 - POWER SUPPLY - 85-264VAC INPUT, 12VDC OUTPUT, 72W (EPS-031)
20 - HUMIDITY SENSOR - VAISALA HMP110, 0-5VDC OUTPUT (EHU-074)
21 -
22 -
23 -
24 -
25 -
26 -
27 -
28 -
29 -
30 -
31 - CABLE - USB, PANEL MOUNT, USB A-A, FEMALE-MALE, 5ft LENGTH (EPC-045)
32 -
33 -
34 -
35 -
36 -
37 -
38 - CIRCUIT BREAKER - ALTECH 1DU2L, 1-POLE, 2A (EBR-147)
39 - CIRCUIT BREAKER - ALTECH 1DU3L, 1-POLE, 3A (EBR-163)
40 -
41 -
42 -
43 - CIRCUIT BREAKER - ALTECH 1DU10L, 1-POLE, 10A (EBR-145)
44 - CIRCUIT BREAKER - ALTECH 1DU15L, 1-POLE, 15A (EBR-146)
45 - DRYER ASSEMBLY - VSA1 DRYER, 230/1/50, 2.8 SCFM, 20W (EHU-132)

ELECTRICAL SYSTEM CHARACTERISTICS				
VOLTAGE: 230 VAC	PHASE: 1Ø		FREQUENCY: 50 Hz	
AMPERAGE DRAW (MAX)				
MODEL #	CORD#1	CORD#2	N/A	RLA/MCA
I-66NL	10.2 A	N/A	N/A	10.2/12.8 A
- PROVIDE THHN STRANDED COPPER CONDUCTORS W/ A TEMPERATURE RATING OF 90°C (194°F).				

PERCIVAL SCIENTIFIC, INC.

TITLE: ELECTRICAL SCHEMATIC - GENERAL		
MODEL: I-66NL		DRAWING: 032801-0-1
BY: DK	DATE: 10/16/23	