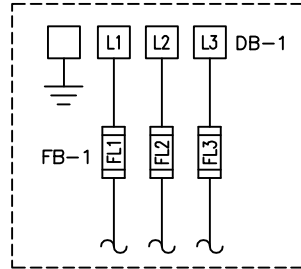


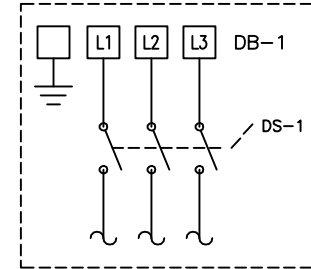
Notes:

1. MAIN DISCONNECT PROVIDED BY OTHER.
2. FIELD WIRING TO BE COPPER RATED FOR 75°C MINIMUM.
3. - - - - INDICATES FIELD WIRING OUTSIDE OF CABINET.
4. RTD-1B & RTD-2B ON 10-15HP ONLY.
5. AUXILIARY CONTACT LIST ON SHEET 3.
6. THE AMPACITY OF CONDUCTORS SUPPLYING THE CONTROL PANEL TO BE ROUNDED UP TO THE NEXT SIZE LARGER STANDARD WIRE GAUGE.
7. MOP VALUES TO BE ROUNDED DOWN TO THE NEAREST STANDARD RATING OF THE OVERCURRENT PROTECTION DEVICE.
8. SHORT CIRCUIT CURRENT RATING (SCCR): 65 kA

5HP 208-460V
7.5 & 10HP 380-460V
SCCR: 65 kA



7.5 & 10HP 208-230V
15HP 208-460V
SCCR: 65 kA



DEFAULT PUMP PSI SETTINGS

PUMP SEQUENCE	PSI
LEAD CUT-OFF	110
LAG CUT-ON	85

BACKUP PRESSURE SWT SETTINGS

BPS-1 CUT-OFF	105
BPS-1 CUT-ON	80

MINIMUM CIRCUIT AMPACITY (MCA)

SYSTEM HP	208 V	230 V	380 V	460 V
5 HP	56.9 AMPS	51.8 AMPS	33.4 AMPS	26.2 AMPS
7.5 HP	81.3 AMPS	73.9 AMPS	47.4 AMPS	37.3 AMPS
10 HP	102.7 AMPS	93.4 AMPS	60.4 AMPS	47.0 AMPS
15 HP	152.8 AMPS	138.9 AMPS	89.6 AMPS	69.8 AMPS

MAXIMUM OVERCURRENT PROTECTION (MOP)

SYSTEM HP	208 V	230 V	380 V	460 V
5 HP	71.0 AMPS	64.6 AMPS	41.2 AMPS	32.3 AMPS
7.5 HP	102.9 AMPS	93.5 AMPS	59.5 AMPS	46.8 AMPS
10 HP	130.9 AMPS	119.0 AMPS	76.5 AMPS	59.5 AMPS
15 HP	196.4 AMPS	178.5 AMPS	114.8 AMPS	89.3 AMPS

TRIPLEX SYSTEM FULL LOAD AMPERES

SYSTEM HP	208 V	230 V	380V/50Hz	460 V
5 HP	40.5 AMPS	37.9 AMPS	23.1 AMPS	19.2 AMPS
7.5 HP	56.1 AMPS	53.5 AMPS	29.7 AMPS	27.0 AMPS
10 HP	78.9 AMPS	73.9 AMPS	41.7 AMPS	37.2 AMPS
15 HP	110.1 AMPS	106.9 AMPS	63.0 AMPS	53.7 AMPS

INDIVIDUAL FULL LOAD AMPERES

SYSTEM HP	208 V	230 V	380V/50Hz	460 V
5 HP	12.8 AMPS	12.0 AMPS	7.2 AMPS	6.0 AMPS
7.5 HP	18.0 AMPS	17.2 AMPS	9.4 AMPS	8.6 AMPS
10 HP	25.6 AMPS	24.0 AMPS	13.4 AMPS	12.0 AMPS
15 HP	36.0 AMPS	35.0 AMPS	20.5 AMPS	17.5 AMPS

FUSE SELECTION CHART (MAX FUSE SIZES SHOWN)

SYSTEM HP	FUSES	208 V	230 V	380 V	460 V
5 HP	FL1/FL2/FL3	50 AMPS	45 AMPS	30 AMPS	25 AMPS
7.5 HP		---	---	35 AMPS	35 AMPS
10 HP		---	---	50 AMPS	45 AMPS
15 HP		---	---	---	---
ALL	F1/F2/F4/F5/F7/F8	6.0 AMPS	6.0 AMPS	6.0 AMPS	6.0 AMPS
	F3/F6/F9	---	---	6.0 AMPS	6.0 AMPS
	F21-F23	4.0 AMPS	4.0 AMPS	4.0 AMPS	4.0 AMPS
	F31/F32/F33/F34	1.0 AMP	1.0 AMP	1.0 AMP	1.0 AMP
	F35	0.5 AMP	0.5 AMP	0.5 AMP	0.5 AMP

FL1/FL2/FL3 ARE LITTELFUSE JTD 600V TYPE
F1-F9 ARE LITTELFUSE KLDK 600V TYPE
F21-F23/F31-F35 ARE LITTELFUSE 2AG 250V TYPE

AUTO OPERATION:

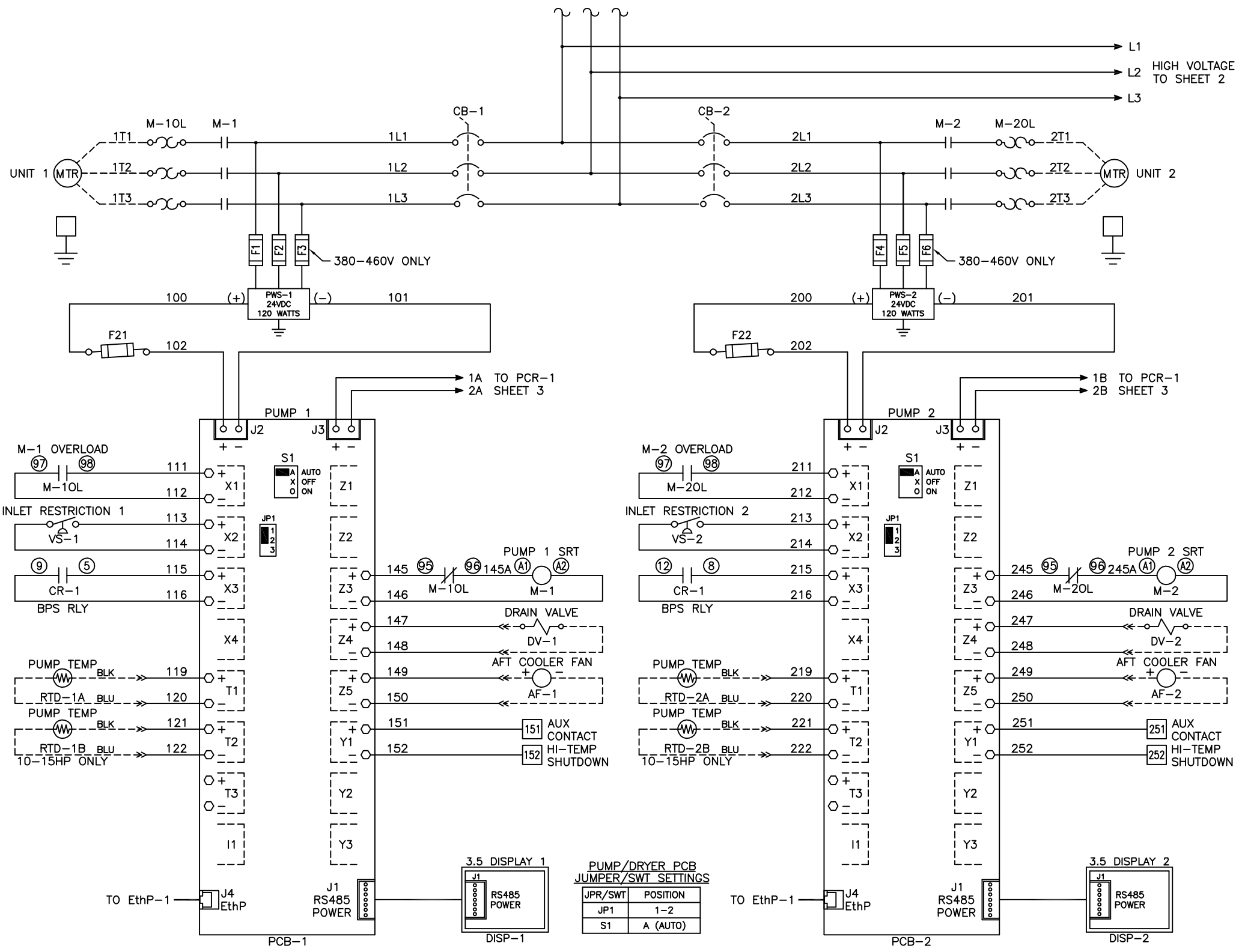
DURING NORMAL OPERATION, THE MASTER PCB WILL SIGNAL THE LEAD COMPRESSOR TO START WHEN THE PRESSURE FALLS BELOW THE SET-POINT FOR THE LEAD PUMP. IF ONE PUMP CAN CARRY THE LOAD, THE PRESSURE WILL RISE TO 110 PSI. THE MASTER PCB WILL THEN SIGNAL THE PUMP PCB TO TURN OFF THE LEAD COMPRESSOR. WHEN THE SYSTEM PRESSURE DROPS AGAIN BELOW THE LEAD SET-POINT, THE MASTER PCB WILL SEQUENCE THE LEAD ROLE TO THE NEXT COMPRESSOR AND IT WILL START. IF ANY LEAD COMPRESSOR RUNS FOR MORE THAN 17 MINUTES AND CANNOT REACH 110 PSI, THE MASTER PCB WILL TURN OFF THE COMPRESSOR THAT IS RUNNING AND SEQUENCE TO THE NEXT COMPRESSOR. IF DURING OPERATION THE PRESSURE FALLS BELOW 85 PSI, THE LAG COMPRESSOR WILL START AND A LAG ALARM WILL OCCUR.

PUMP PCB S1 POSITION:

- POSITION (A) - AUTO (DEFAULT):** THE PUMP WILL OPERATE NORMALLY AS DESCRIBED ABOVE IN "AUTO OPERATION".
- POSITION (X) - OFF:** THE PUMP IS DISABLED FROM RUNNING.
- POSITION (O) - MANUAL:** THE PUMP WILL START AND STOP ON THE BACK UP PRESSURE SWITCH (BPS-1).

PCB FAULT:

IF A PUMP PCB ETHERNET FAULT OR A TRANSDUCER FAULT OCCURS, THE PUMP PCB WILL AUTOMATICALLY SWITCH TO MANUAL MODE. COMPRESSORS WILL START WHEN BPS-1 (BACKUP PRESSURE SWITCH) CLOSSES AND STOP WHEN IT OPENS. COMPRESSORS WILL NOT SEQUENCE IN THIS CONDITION AND CAN OPERATE UNTIL THE ETHERNET OR TRANSDUCER FAULT IS REPAIRED.



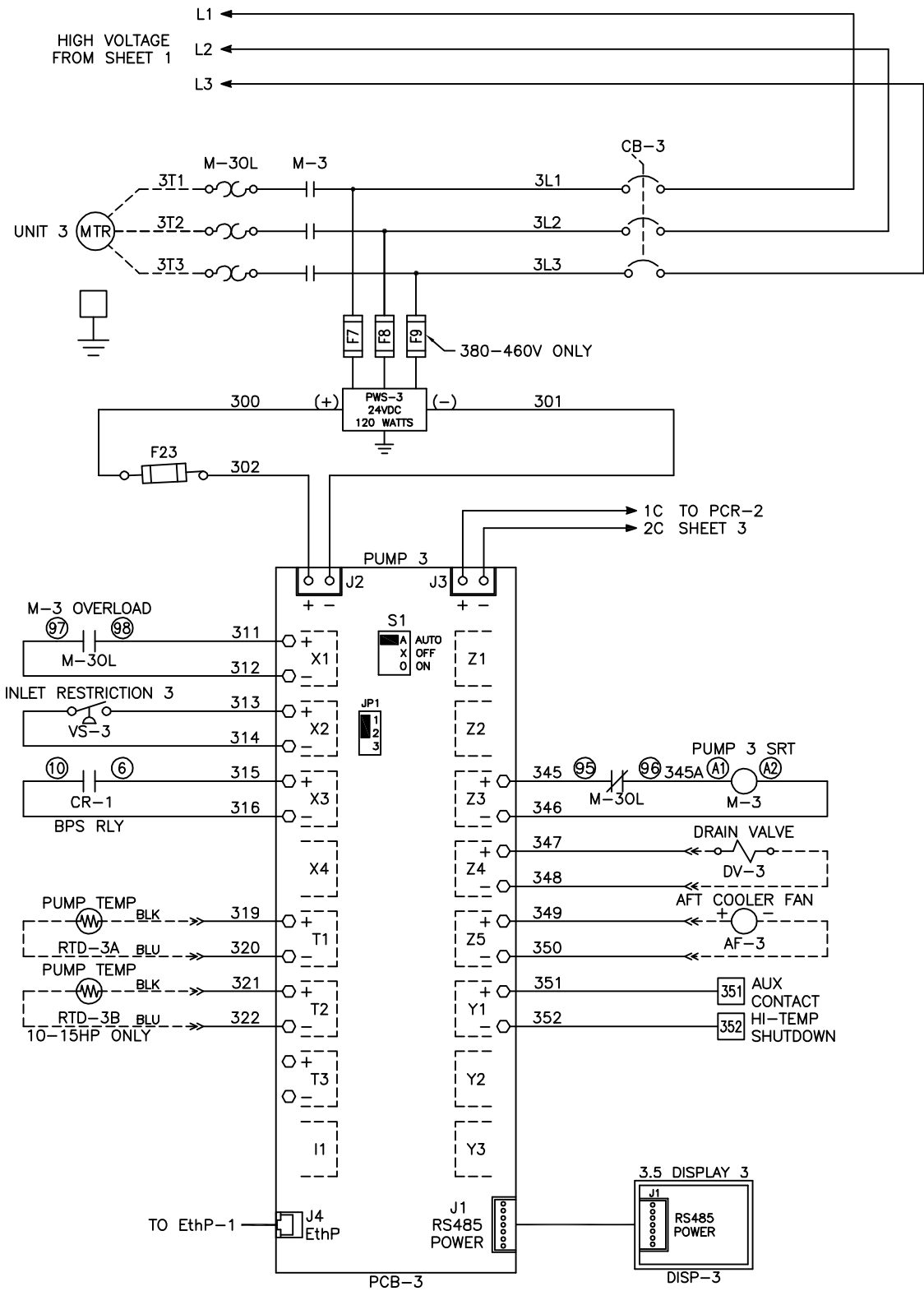
PUMP/DRYER PCB JUMPER/SWT SETTINGS

JPR/SWT	POSITION
JP1	1-2
S1	A (AUTO)

Revised:	Date:	Drawn:	MDB	Date:	10/30/18
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Scale:	NTS				
Part Number:	4107 8568 29				
DWG WIRING CONTROL	TX SCROLL 5-15HP	208-460/3/50-60, 65KA	Rev:	00	
Sheet 1 of 3	DO NOT SCALE THIS DOCUMENT				

Notes:

1. FIELD WIRING TO BE COPPER RATED FOR 75°C MINIMUM.
2. - - - - - INDICATES FIELD WIRING OUTSIDE OF CABINET.
3. RTD-3B ON 10-15HP ONLY.



**PUMP/DRYER PCB
JUMPER/SWT SETTINGS**

JPR/SWT	POSITION
JP1	1-2
S1	A (AUTO)

Revised:	Date:	Drawn:	MDB	Date:	10/30/18
				Scale:	NTS
<small>This drawing and the information contained herein remain the property of BeaconMedas and may not be used for other than the purpose for which it is based without the expressed written permission from BeaconMedas Engineering.</small>				D	
Description:			Part Number:		
DWG WIRING CONTROL			4107 8568 29		
TX SCROLL 5-15HP			Rev: 00		
208-460/3/50-60, 65kA			Sheet 2 of 3		
			DO NOT SCALE THIS DOCUMENT		

