

MNT-2

MNT-1

HM-1 HM-2 HM-3

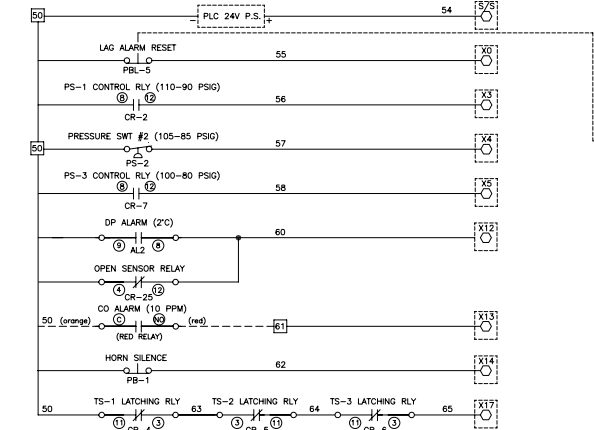
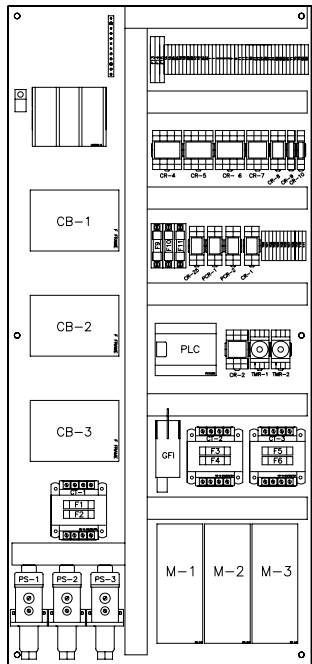
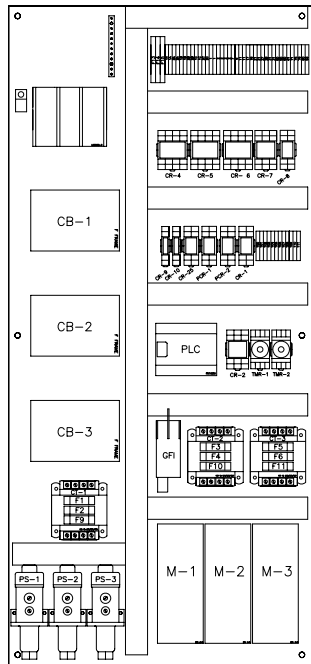
HOA-1 HOA-2 HOA-3

PBL-1 PBL-2 PBL-3

PBL-5 PB-1 PB-2

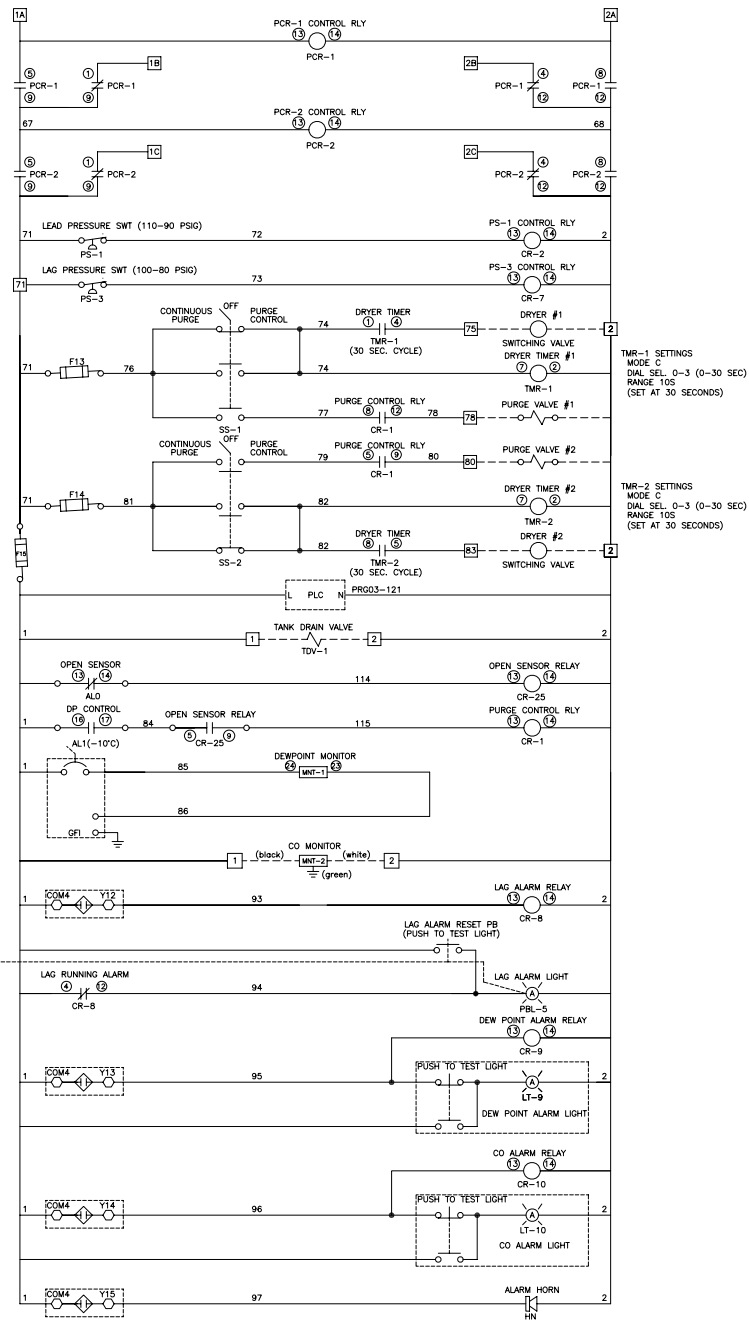
LT-9 LT-10

SS-1 SS-2



SYSTEM HP	208 V	230 V	380 V	460 V	575 V
10 HP	90 AMPS	78 AMPS	48 AMPS	39 AMPS	32 AMPS
15 HP	128 AMPS	111 AMPS	68 AMPS	56 AMPS	45 AMPS

SYSTEM HP	208 V	230 V	380 V	460 V	575 V
10 HP	29.2 AMPS	25.4 AMPS	15.4 AMPS	12.7 AMPS	10.1 AMPS
15 HP	41.9 AMPS	36.4 AMPS	22.0 AMPS	18.2 AMPS	14.5 AMPS



DURING NORMAL OPERATION ALL HOA SWITCHES SHOULD BE IN THE AUTO POSITION. THE PLC WILL SIGNAL THE LEAD COMPRESSOR TO START WHEN PS-1 CLOSURES AT 90 PSI. IF ONE PUMP CANNOT CARRY THE LOAD, THEN THE PRESSURE WILL RISE TO 110 PSI. WHEN THIS OCCURS, THE PLC WILL START THE 2ND COMPRESSOR. WHEN THE LEAD COMPRESSOR, WHEN THE SYSTEM PRESSURE DROPS AGAIN AND PS-1 CLOSURES THE PLC WILL SEQUENCE THE LEAD ROLE TO THE NEXT COMPRESSOR AND IT WILL START. IF LEAD COMPRESSOR RUNS FOR MORE THAN 15 MINUTES AND CANNOT REACH THE PS-1 SETTING OF 110 PSI, THEN THE PLC WILL TURN OFF THE COMPRESSOR THAT IS RUNNING AND SEQUENCE TO THE NEXT COMPRESSOR. IF DURING OPERATION PS-2 CLOSURES AT 85 PSI A SECOND COMPRESSOR WILL START. IF PRESSURE CONTINUES TO DROP TO THE PS-3 SETTING OF 80 PSI THE THIRD COMPRESSOR WILL START AND A LAG ALARM WILL SOUND. IF ONLY 2 HOA SWITCHES ARE IN THE AUTO POSITION THE SYSTEM WILL OPERATE AS A DUPLEX.

PLC FAULT; IF A PLC FAULT OCCURS, AND ALL COMPRESSORS ARE IN AUTO, COMPRESSORS 1 & 2 WILL START WHEN PS-3 CLOSES AND STOP WHEN PS-3 OPENS, A LAG ALARM WILL ALSO OCCUR. IF PLC FAULT SHOULD OCCUR, TURN BOTH COMPRESSOR TO THE HAND POSITION. COMPRESSORS WILL NOT SEQUENCE IN THIS CONDITION BUT WILL OPERATE IN A LEAD/LAG CONDITION. IF COMPRESSOR 1 OR 2 IS TURNED OFF FOR REPAIRS COMPRESSOR 3 WILL START AND STOP WITH PS-1. COMPRESSORS CAN OPERATE IN THIS CONDITION UNTIL PLC FAULT IS REPAIRED.



TITLE:
LIFELINE TRIPLEX 10-15 HP SCROLL
CONTROLS (208/230/380/460/575 V)

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