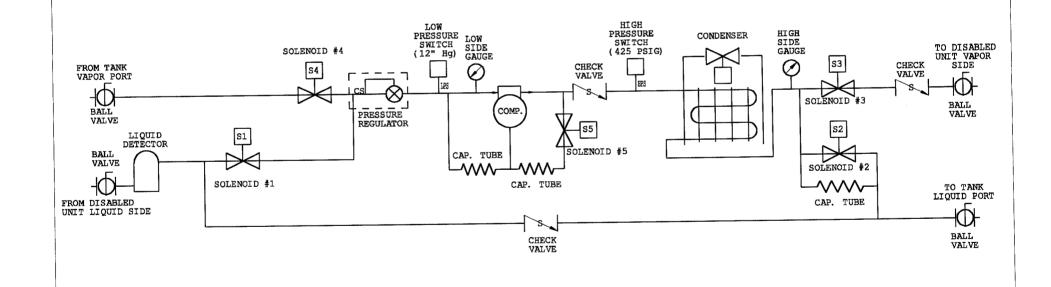
NOTES: 1) WHEN THE UNIT IS TURNED ON, S5 IS OPENED FOR (5) SECONDS. AFTER THE (5) SECONDS S5 IS CLOSED UNTIL IT IS RESET. 2) WHEN LIQUID IS PRESENT THE FLOAT IN THE LIQUID DETECTOR RISES: S3 & S4 ARE OPENED; S1, S2 & S5 ARE CLOSED 3) WHEN NO LIQUID IS PRESENT, THE FLOAT IN THE LIQUID DETECTOR FALLS: S1 & S2 ARE OPENED; S3, S4 & S5 ARE CLOSED 4) THE ARIUL SHUTS OFF WHEN THE DISABLED UNIT REACHES A 10" Hg VACUUM. 5) IN THE "SUBCOOL" MODE: S4 IS OPENED; S1, S2, S3 & S5 ARE CLOSED

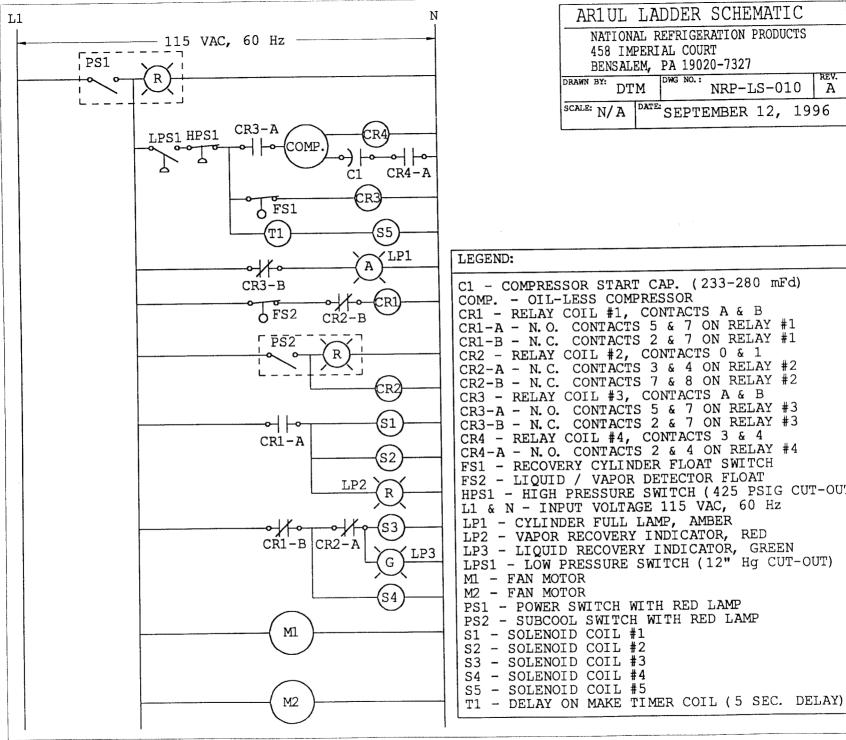
ARIUL PIPING DIAGRAM

NATIONAL REFRIGERATION PRODUCTS
458 IMPERIAL COURT
BENSALEM, PA 19020-7327

DRAWN BY: DTM DWG NO.: NRP-PD-002 A

SCALE: N/A DATE: SEPTEMBER 19, 1996





AR1UL LADDER SCHEMATIC NATIONAL REFRIGERATION PRODUCTS 458 IMPERIAL COURT BENSALEM, PA 19020-7327 DWG NO.: DRAWN BY: МТО NRP-LS-010 SCALE: N/A DATE: SEPTEMBER 12, 1996

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C1 - COMPRESSOR START CAP. (233-280 mFd)
COMP. - OIL-LESS COMPRESSOR
CR1 - RELAY COIL #1, CONTACTS A & B
CR1-A - N.O. CONTACTS 5 & 7 ON RELAY #1
CR1-B - N. C. CONTACTS 2 & 7 ON RELAY #1
CR2 - RELAY COIL #2, CONTACTS 0 & 1
CR2-A - N. C. CONTACTS 3 & 4 ON RELAY #2
CR2-B - N. C. CONTACTS 7 & 8 ON RELAY #2
CR3 - RELAY COIL #3, CONTACTS A & B
CR3-A - N.O. CONTACTS 5 & 7 ON RELAY #3
CR3-B - N. C. CONTACTS 2 & 7 ON RELAY #3
CR4 - RELAY COIL #4, CONTACTS 3 & 4
CR4-A - N.O. CONTACTS 2 & 4 ON RELAY #4
FS1 - RECOVERY CYLINDER FLOAT SWITCH
FS2 - LIQUID / VAPOR DETECTOR FLOAT
HPS1 - HIGH PRESSURE SWITCH (425 PSIG CUT-OUT)
L1 & N - INPUT VOLTAGE 115 VAC, 60 Hz
LP1 - CYLINDER FULL LAMP, AMBER
LP2 - VAPOR RECOVERY INDICATOR, RED
LP3 - LIQUID RECOVERY INDICATOR, GREEN
LPS1 - LOW PRESSURE SWITCH (12" Hg CUT-OUT)
M1 - FAN MOTOR
M2 - FAN MOTOR
PS1 - POWER SWITCH WITH RED LAMP
PS2 - SUBCOOL SWITCH WITH RED LAMP
S1 - SOLENOID COIL #1
S2 - SOLENOID COIL #2
S3 - SOLENOID COIL #3
S4 - SOLENOID COIL #4
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