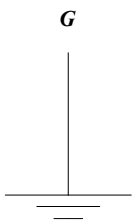
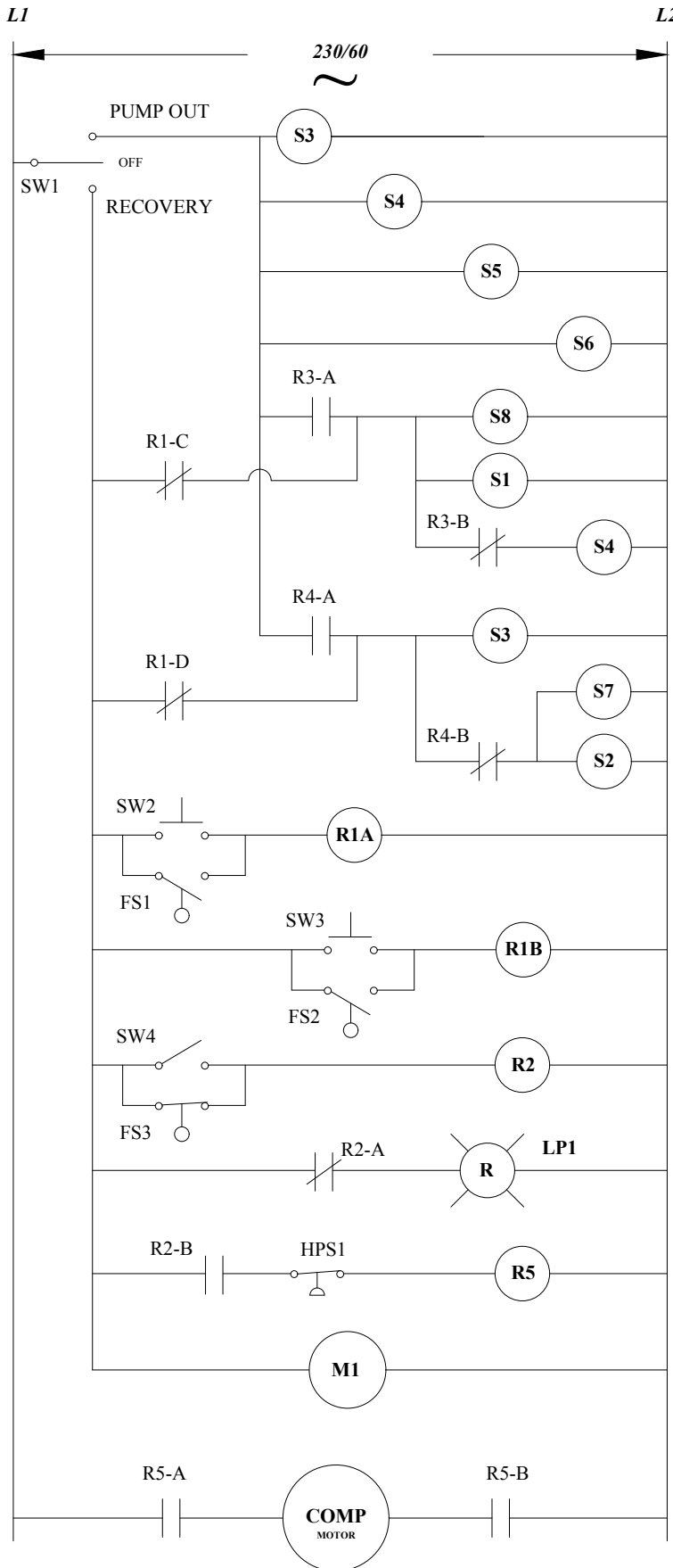


# LV5 LADDER SCHEMATIC



## LEGEND:

- OMP - COMPRESSOR
- FS1 - FLOAT SWITCH FOR RECEIVER TANK #1
- FS2 - FLOAT SWITCH FOR RECEIVER TANK #2
- FS3 - FLOAT SWITCH FOR RECOVERY TANK
- HPS1 - HIGH PRESSURE SWITCH ( 475 PSIG)
- L1 & L2 - LINE VOLTAGE ( 220 V DROP ACROSS)
- LP1 - RECOVERY CYLINDER FULL LAMP, RED
- M1 - CONDENSOR FAN MOTOR
- R1A - LATCHING RELAY COIL, CONTACTS 2 & 10
- R1B - LATCHING RELAY COIL, CONTACTS 3 & 6
- R1-C - LATCHING RELAY N. C. CONTACTS 8 & 11
- R1-D - LATCHING RELAY N. O. CONTACTS 1 & 4
- R2 - RELAY COIL, CONTROLS CYLINDER FULL LAMP
- R2-A - N. C. CONTACTS 2 & 4 ON RELAY R2
- R2-B - N. O. CONTACTS 5 & 4 ON RELAY R2
- R3 - RELAY COIL FOR RELAY R3, CONTACTS 1 & 3
- R3-A - N. C. CONTACTS 2 & 4 ON RELAY R3
- R3-B - N. O. CONTACTS 5 & 4 ON RELAY R3
- R4 - RELAY COIL FOR RELAY R4, CONTACTS 1 & 3
- R4-A - N. C. CONTACTS 2 & 4 ON RELAY R4
- R4-B - N. O. CONTACTS 5 & 4 ON RELAY R4
- R5 - CONTACT COIL
- R5-A - N. O. CONTACTS FOR L1
- R5-B - N. O. CONTACTS FOR L2
- S1 - SOLENOID COIL #1
- S2 - SOLENOID COIL #2
- S3 - SOLENOID COIL #3
- S4 - SOLENOID COIL #4
- S5 - SOLENOID COIL #5
- S6 - SOLENOID COIL #6
- S7 - SOLENOID COIL #7
- S8 - SOLENOID COIL #8
- SW1 - POWER SWITCH ( ON-OFF-ON )
- SW2 - MOMENTARY SWITCH, RECEIVER #1
- SW3 - MOMENTARY SWITCH, RECEIVER #2
- SW4 - AUTO / MANUAL SWITCH

# LV5 (PIPING DIAGRAM)

## OPERATIONAL CYCLES

1. RECEIVER #1-PULLING IN REFRIGERANT & RECEIVER #2-PUSHING OUT REFRIGERANT; S1, S4 & S8-OPEN; S2, S3, S5, S6 & S7-CLOSED.
2. RECEIVER #2-PULLING IN REFRIGERANT & RECEIVER #1-PUSHING OUT REFRIGERANT; S2, S3 & S7-OPEN; S1, S4, S5, S6 & S8-CLOSED.
3. PUMP-OUT MODE  
S1, S3, S5, S6, S8-OPEN; S2, S4, S7-CLOSED

