

NOTES FOR WATER COOLED REFRIGERATION SYSTEM

1. UNIT COOLER FAN(S) SHALL RUN CONTINUOUSLY, EXCEPT WHEN IT IS TURNED "OFF" BY A SWITCH MOUNTED ON THE UNIT COOLER. THIS SAME SWITCH SHALL ALSO DE-ENERGIZE THE LIQUID-LINE SOLENOID VALVE WHEN THE UNIT IS IN THE "OFF" POSITION.
2. ROOM THERMOSTAT FOR WALK-IN REFRIGERATOR OR FREEZER SHALL AUTOMATICALLY CONTROL THE LIQUID-LINE SOLENOID VALVE.
3. COMPRESSOR OPERATION SHALL BE CONTROLLED BY THE LOW PRESSURE SWITCH: HIGH PRESSURE CUTOUT SWITCH SHALL PREVENT THE COMPRESSOR FROM OPERATING UNDER EXCESSIVELY HIGH HEAD PRESSURE.
4. FLOW OF WATER THROUGH CONDENSER SHALL BE CONTROLLED BY WATER REGULATING VALVE INSTALLED IN THE CONDENSER DISCHARGE LINE AND SHALL MODULATE IN RESPONSE TO REFRIGERANT CONDENSING PRESSURE.
5. WHEN EQUIPMENT SCHEDULE INDICATES ELECTRIC DEFROST, THE FOLLOWING CONTROLS SHALL ALSO BE PROVIDED:
 - A. DEFROST TYPE UNIT COOLER WITH HEATING ELEMENTS FOR EVAPORATOR COIL, DRAIN PAN AND DRAIN PIPING WITHIN THE LOW TEMPERATURE ROOM. DEFROST CYCLE SHALL BE AUTOMATICALLY CONTROLLED BY AN ELECTRIC CLOCK AND SHALL INCLUDE A SAFETY THERMOSTAT IN THE CONTROL CIRCUIT TO PREVENT OVERHEATING THE EVAPORATOR COIL.
 - B. THE AUTOMATIC TIMER FOR ELECTRIC DEFROST SHALL ALSO DE-ENERGIZE THE SOLENOID VALVE IN THE LIQUID REFRIGERANT LINE SERVING THE UNIT COOLER AND SHALL STOP THE UNIT COOLER FAN(S) DURING THE DEFROST CYCLE.
6. PROVIDE ADDITIONAL TEMPERATURE TRANSMITTER THAT SENDS HIGH TEMPERATURE ALARM INDICATION TO ECC.

