Part 1 General

1.1 SECTION INCLUDES

.1 Sequence of operation:

.1 Central cooling system.

1.2 SYSTEM DESCRIPTION

.1 This section defines the manner and method by which controls function.

.2 Requirements for each type of control system operation are specified.

.3 Equipment, devices, and system components required for control systems are specified in other Sections.

Part 2 Products

2.1 NOT USED

.1 Not Used.

Part 3 Execution

3.1 CENTRAL COOLING SYSTEMS

.1 Condensing Water Pump: Start and stop condensing water pump; allow start on proof of water in cooling tower sump and on outdoor temperature above 10 degrees C.

.2 Pump Sequence:

.1 Energize chilled water pump to start and allow cooling tower fans to start when condensing water pump started.

.2 When chilled water pump starts, open chiller control valve. Modulate chiller control valve to maintain constant flow through chiller.

.3 When chilled water flow and condensing water flow are proven by flow switches, allow refrigeration machine to start.

.3 Condenser: Maintain minimum condenser water temperature of 24 degrees C modulating cooling tower fan.

.4 Cooling Tower Sump: Maintain temperature in cooling tower sump of 4.5 degrees C by cycling electric sump heaters. .

.1 Thermostat: Thermostat in cooling tower sump, set at 2 degrees C, open drain lines, closes make-up valve, and deactivates sump heaters

END OF SECTION