

EXISTING CHILLED WATER DISTRIBUTION SYSTEM CONTROL SCHEMATIC

GENERAL NOTES

1. EXISTING CONDUIT, WIRING, PNEUMATIC TUBING, AND DEVICES THAT WOULD OTHERWISE BE ABANDONED ON THIS PROJECT SHALL BE REMOVED BY THE CONTRACTOR.

KEYNOTES

- ① RELOCATE EXISTING DEVICE TO ACCOMMODATE NEW PIPING.
- ② RELOCATE EXISTING CONTROL VALVE TO ACCOMMODATE NEW PIPING.
- ③ PROVIDE AND INSTALL NEW MAGNETIC FLOW METER FOR CAMPUS CHILLED WATER SUPPLY FLOW.
- ④ PROVIDE AND INSTALL NEW MATCHING PAIR OF TEMPERATURE SENSORS.
- ⑤ PROVIDE AND INSTALL NEW OUTDOOR AIR DRY-BULB TEMPERATURE SENSOR WITH SUNSHIELD. TEMPERATURE SENSOR SHALL BE INSTALLED ON A LEG OF THE WATER TOWER WHERE IT WILL BE SHADED YEAR AROUND.
- ⑥ PROVIDE AND INSTALL NEW OUTDOOR AIR DEWPOINT TEMPERATURE SENSOR WITH SUNSHIELD. TEMPERATURE SENSOR SHALL BE INSTALLED ON A LEG OF THE WATER TOWER WHERE IT WILL BE SHADED YEAR AROUND.
- ⑦ REMOVE ALL EXISTING JOHNSON CONTROLS DDC CONTROLLERS SERVING THE CHILLER PLANT AND INSTALL NEW BACKNET CONTROLLERS FOR ALL NEW AND EXISTING POINTS.
- ⑧ PROVIDE AND INSTALL A BACKNET COMMUNICATIONS CARD IN THE EXISTING SCREW CHILLER (9-SCU-1) UNIT CONTROL PANEL AND INTEGRATE TO THE BAS.
- ⑨ UNDER THE BASE BID: REMOVE PRIMARY CHILLED WATER PUMP 9-P-1, INSTALL NEW PRIMARY CHILLED WATER PUMP 9-P-1.
- ⑩ UNDER DEDUCTIVE ALTERNATE BID NO. 1: REMOVE PRIMARY CHILLED WATER PUMPS 9-P-2 & 3 AND INSTALL NEW PRIMARY CHILLED WATER PUMPS 9-P-2 & 3.
- ⑪ UNDER DEDUCTIVE ALTERNATE BID NO. 2: REMOVE SECONDARY CHILLED WATER PUMPS 9-P-7 & 8 AND INSTALL NEW SECONDARY CHILLED WATER PUMPS 9-P-8 & 9.
- ⑫ UNDER DEDUCTIVE ALTERNATE BID NO. 3: PROVIDE AND INSTALL SECONDARY CHILLED WATER PUMP 9-P-7.
- ⑬ UNDER DEDUCTIVE ALTERNATE BID NO. 4: PROVIDE AND INSTALL NEW ENGINEERING CONTROL CENTER (ECC) HARDWARE AND SOFTWARE, SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

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