CHILLED WATER SERVICE ENTRANCE PIPING SCHEMATIC

1
M1.01

SCALE: NO SCALE

KEY NOTES

1. SMOOTH CORE DRILLED PENETRATION OR GROUTED IN-PLACE WALL SLEEVE. SLEEVE TO BE STANDARD WEIGHT DUCTILE IRON OR STEEL PIPE.
2. "LINK-SEAL" WITH SS HARDWARE. INSTALL SO THAT THREADED NUTS ARE EXPOSED.
3. CHILLED WATER FLOW METER PROVIDED BY UNL INSTALLED BY CONTRACTOR.
4. PROVIDE MIN. 15" SPACE BETWEEN METER LEG AND BYPASS LEG.
5. SPARE THERMOWELL FOR TEMPERATURE SENSOR CALIBRATION.
6. DUPLEX BASKET STAINER WITH 1/8" SS SCREEN. TWO SINGLE BASKET STRAINERS MAY BE PROVIDED IN LIEU OF DUPLEX.
7. FULL SIZE BLOW-DOWN VALVE AND PIPE TO NEAREST FLOOR DRAIN.
8. PRESSURE GAGE AND SENSOR LEG ACROSS EACH STRAINER.
9. EXTERIOR SYSTEM DRAIN (SUPPLY AND RETURN). FULL PORT BALL VALVE WITH HOSE ADAPTER AND CAP.
10. INTERIOR SYSTEM DRAIN (SUPPLY AND RETURN). FULL PORT BALL VALVE WITH HOSE ADAPTER AND CAP. INSTALL ON SYSTEM LOW POINT WITHIN BUILDING.
11. PRESSURE SENSOR PROVIDED BY UNL, INSTALLED BY CONTRACTOR.
12. TEMPERATURE SENSOR PROVIDED BY UNL, INSTALLED BY CONTRACTOR.
13. FLANGE OR UNION AT STRAINER.
14. DELTA-P SENSOR (PROVIDED BY UNL BSM) ACROSS EACH STRAINER.
15. HEAT RECOVERY CHILLER (IF PROVIDED) CHILLED WATER SUPPLY TIE-IN LOCATION.
16. HEAT RECOVERY CHILLER (IF PROVIDED) CHILLED WATER RETURN TIE-IN LOCATION.
17. AIR HANDLING UNIT CONDENSATE RECOVERY (IF PROVIDED) TIE-IN LOCATION.

UNIVERSITY OF Nebraska

Facilities, Planning & Capital Programs
Standard Detail

Detail No.: 33 61 00 - 01
Scale: N.T.S.
Date: July 2023

Detail Title:
CHILLED WATER SERVICE
ENTRANCE PIPING SCHEMATIC