NOTES:

1. SIZE METER/CONTROL VALVE LINE-UP FOR 7-15 FPS FLUID VELOCITY BASED UPON FLOW RATE FOR FULL SYSTEM BUILD-OUT.

2. LOCATE CHW METERING STATION AS CLOSE AS PRACTICAL TO BUILDING SERVICE ENTRY (SEE DRAWING 23 20 00-1 FOR CHILLED WATER SERVICE ENTRANCE DETAIL.)

3. ALL THREADED NIPPLES SHALL BE SCH. 40 GALVANIZED OR BLACK STEEL.

PRESSURE GAUGE 0 - 100 PSI RANGE (TYP.)
GAUGE PIPING, ½" MIN.
WYE STRAINER
BYPASS PIPING
- SIZE FOR CRITICAL COOLING LOAD, 2" MIN.

CHILLED WATER SUPPLY PIPING, SEE CENTRAL CHILLED WTR. SYSTEM, BLDG. SERVICE ENTRANCE, DWG # 23 20 00-1

ISOLATION VALVE
- RESILIENT SEATED BUTTERFLY VALVE
- VALVE AND ASSOCIATED FLANGES MAY BE ELIMINATED IF LOCATED WITHIN 20 FT. OF SERVICE ENTRANCE ISOLATION VALVE (SEE DRAWING 23 20 00-1)

WYE STRAINER (PREFERRED) OR BASKET STRAINER (IF RECD DUE TO SPACE LIMITATIONS)
- FIT BLOW-DOWN CONNECTION WITH FULL-PORT BALL VALVE, NIPPLE AND CAP

AUTOMATED ISOLATION VALVE
- RESILIENT SEATED BUTTERFLY VALVE
SEE CENTRAL CH, WTR. SYS., BLDG. SERVICE ENTRANCE, DRAWING # 23 20 00-1

½" BALL VALVE WITH PIT PORT (TYP.)
PRESSURE GAUGE
ADJACENT CHILLED WATER RETURN PIPING

1/2" RELIEF VALVE WITH 125 PSIG SETTING
- PROVIDE ISOLATION BALL VALVE FOR NON-CODE REQUIRED relief valve. pipe relief valve discharge opening to floor drain.

THERMOMETER WITH IMMERSION WELL (TYP.)
TEMPERATURE SENSOR WITH IMMERSION WELL

8 DIAMETERS STRAIGHT PIPE MINIMUM
3 DIAMETERS STRAIGHT PIPE MINIMUM
3 DIAMETERS STRAIGHT PIPE MINIMUM

ISOLATION VALVE
- RESILIENT SEATED BUTTERFLY VALVE
- ENSURE CLEARANCE WITHIN STRAINER BODY FOR FULL OPERATION (TYP.)

FLOW/PRESSURE CONTROL VALVE
- AUTOMATED V-NOTCH BALL SEGMENT VALVE
- MAINTAIN ADEQUATE SPACE FOR SERVICE

MAGNETIC FLOW METER
- ORIENT METER SUCH THAT ELECTRODES ARE WITHIN 45° OF HORIZONTAL PLANE (i.e., TERMINAL BOX DISPLAY IS WITHIN 45° OF TOP OF PIPE)
- MAINTAIN ADEQUATE SPACE FOR SERVICE