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. 80 GALVANIZED OR BLACK STEEL.

PRESSURE GAUGE 0 - 160 PSI RANGE (TYP.)
GAUGE PIPING, \( \frac{1}{4} \) 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
WYE STRAINER (PREFERRED) OR BASKET STRAINER (IF REQ'D DUE TO SPACE LIMITATIONS)
- PROVIDE BLOW-DOWN CONNECTION WITH FULL-PORT BALL VALVE, NIPPLE AND CAP

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

NOTE:
- PROVIDE FLANGED PIPE SPOOLS BETWEEN ISOLATION VALVES AND STRAINER BODY AS REQUIRED FOR CLEARANCE BETWEEN VALVE DISC AND INTERIOR OF STRAINER (SPOOLS NOT SHOWN)

FLOW/PRESSURE CONTROL VALVE(S) TYPICALLY NOT REQUIRED IF CONTROL VALVES IN BUILDING ARE PRESSURE INDEPENDENT TYPE. DISCUSS WITH F & S ENGINEERING.