WATER PRV PIPING DETAIL

FLOOR RATE (MAXIMUM) | VALVE SIZE (MAX VELOCITY 10 FPS) | "CLA-VAL" NO. 990
25 GPM | 1 1/2" | 65 GPM
50 GPM | 2" | 95 GPM

APPLICATION:
A. BUILDING SERVICE TO 25 GPM AND HVAC MAKE-UP WATER SYSTEMS.
B. CHECK VALVE REQUIRED ONLY IN TEMPORARY OFFICE BUILDINGS (TRAILERS, TRANSPORTABLES, ETC.).
C. MISCELLANEOUS SERVICE, 25-95 GPM WATER PRV PIPING DETAIL

NOTES FOR DESIGNER:
(DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM MECHANICAL POC.
2. SIZE PRV PER MANUFACTURER'S INSTRUCTIONS.
3. REFER TO THE FOLLOWING LAN. STANDARDS FOR ADDITIONAL REQUIREMENTS:
   A. ENGINEERING STANDARDS MANUAL, MECHANICAL CHAPTER.
   B. MASTER SPECIFICATION 22 1100, FACILITY WATER DISTRIBUTION.
   C. MECH DRAWING ST-D2020-1, SITE/BUILDING WATER COMPONENT DIAGRAM.
4. SUGGESTED PRV SETTINGS:
   A. BUILDING SERVICE: LEAD PRV NORMALLY SET AT APPROXIMATELY 55-60 PSIG WITH THE LAG PRV SET 3-5 PSIG LOWER.
   B. MISCELLANEOUS (TRAILERS AND TRANSPORTABLES) NORMALLY SET AT 40 PSIG.
   C. MAKE-UP WATER SYSTEMS: HEATING, COOLING, COOLING TOWERS, ETC. NORMALLY SET AT 15-20 PSIG.
5. OTHER FILTERING DEVICES (CENTRIFUGAL SEPARATORS, CARTRIDGE FILTERS, ETC.) MAY BE USED IN LIEU OF A STRAINER WHEN REQUIRED.
6. APPLICATION:
   A. BUILDING SERVICE TO 25 GPM AND HVAC MAKE-UP WATER SYSTEMS.
   B. CHECK VALVE REQUIRED ONLY IN TEMPORARY OFFICE BUILDINGS (TRAILERS, TRANSPORTABLES, ETC.).

FINISH FLOOR

BYPASS, SAME SIZE AS PRV

L. [SEE NOTE 2B]