



NOTE TO AE:
 ECCENTRIC PLUG ROTARY CONTROL VALVE(S) MAY BE SUBSTITUTED FOR SELF CONTAINED PRESSURE REGULATORS WITH APPROVAL OF UIUC ENGINEERING.
 PROVIDE BACKPRESSURE SETTING FOR CONDENSATE PUMP DISCHARGE BALANCING VALVE. THIS MUST BE HIGH ENOUGH TO PREVENT PUMP CAVITATION. REFER TO PUMP PERFORMANCE CURVE FOR DETERMINATION.
 SIZE CONDENSATE RECEIVER GENEROUSLY. SIZE FOR 1/4 RUN TIME AT DESIGN FLOW RATE.
 PURPOSE OF 3/8" PC BYPASS (SHOWN): ALLOW MANUAL FILLING OF RECEIVER TO FACILITATE FLOAT ADJUSTMENT.
 PROVIDE SIZE OF RELIEF VALVE VENT AND CONDENSATE RECEIVER VENT. VENT LINE TYPICALLY LARGER THAN CONNECTION SIZE.
 PROVIDE VENTED FLASH TANK (NOT SHOWN) IF FLOW OF MP OR HP CONDENSATE INTO LPR SYSTEM IS SUBSTANTIAL.

- GENERAL NOTES:**
1. ALL THREADED NIPPLES SHALL BE SCH. 80.
 2. ALL COND. RETURN PIPING SHALL BE SCH. 80.
- KEYED NOTES:**
- 1 PROVIDE WELDED CONNECTIONS IN MPS UP TO AND INCLUDING FIRST VALVE INSIDE BUILDING (MAIN STEAM SUPPLY, WARM-UP, CONDENSATE AND BLOWDOWN).
 - 2 PROVIDE ADEQUATELY SIZED DRIP LEG
 FULL PIPE SIZE FOR 4" MAINS AND SMALLER.
 4" PIPE SIZE MINIMUM FOR 6" MAINS.
 1/2" MAIN PIPE SIZE MINIMUM FOR 8" MAINS AND LARGER.
 - 3 TERMINATE RELIEF VALVE VENT VERTICALLY UPWARD, 7" MINIMUM ABOVE ROOF. PROVIDE ANGLED DISCHARGE WITH H.D. SCREEN.

*ALTERNATE CONFIGURATION

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FLOW DIAGRAM - STEAM PRV AND CONDENSATE RETURN SYSTEM

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NOT TO SCALE

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