



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 EXPANDED METAL.

NOTES TO A/E:

PRV STATION AND/OR SAFETY RELIEF VALVE MAY BE DELETED WITH APPROVAL FROM UIUC ENGINEERING.

ECCENTRIC PLUG ROTARY CONTROL VALVES MAY BE SUBSTITUTED FOR SELF CONTAINED PRESSURE REGULATORS WITH APPROVAL FROM UIUC ENGINEERING.

CRU SIZING: PUMP CAPACITY SHALL BE TWICE DESIGN FLOW RATE. NET RECEIVER CAPACITY SHALL PROVIDE 10 MINUTE STORAGE AT DESIGN FLOW RATE.

PURPOSE OF 3/4" PC BYPASS (SHOWN): ALLOW MANUAL FILLING OF RECEIVER TO FACILITATE FLOAT ADJUSTMENT.

PROVIDE SIZE OF RELIEF VALVE VENT AND CONDENSATE RECEIVER VENT. SIZE GENEROUSLY TO PREVENT OVERPRESSURIZATION DUE TO FAILED TRAPS. 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. IF FLOW IS MINIMAL, HP CONDENSATE MAY BE CONNECTED DIRECTLY TO CONDENSATE RECEIVER. HP CONDENSATE SHALL NOT BE CONNECTED DIRECTLY TO LPR PIPING.

FLOW DIAGRAM - STEAM PRV AND CONDENSATE RETURN SYSTEM

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NOT TO SCALE

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