STANDARD STEAM PRESSURE REDUCING SYSTEM (CONTROL)

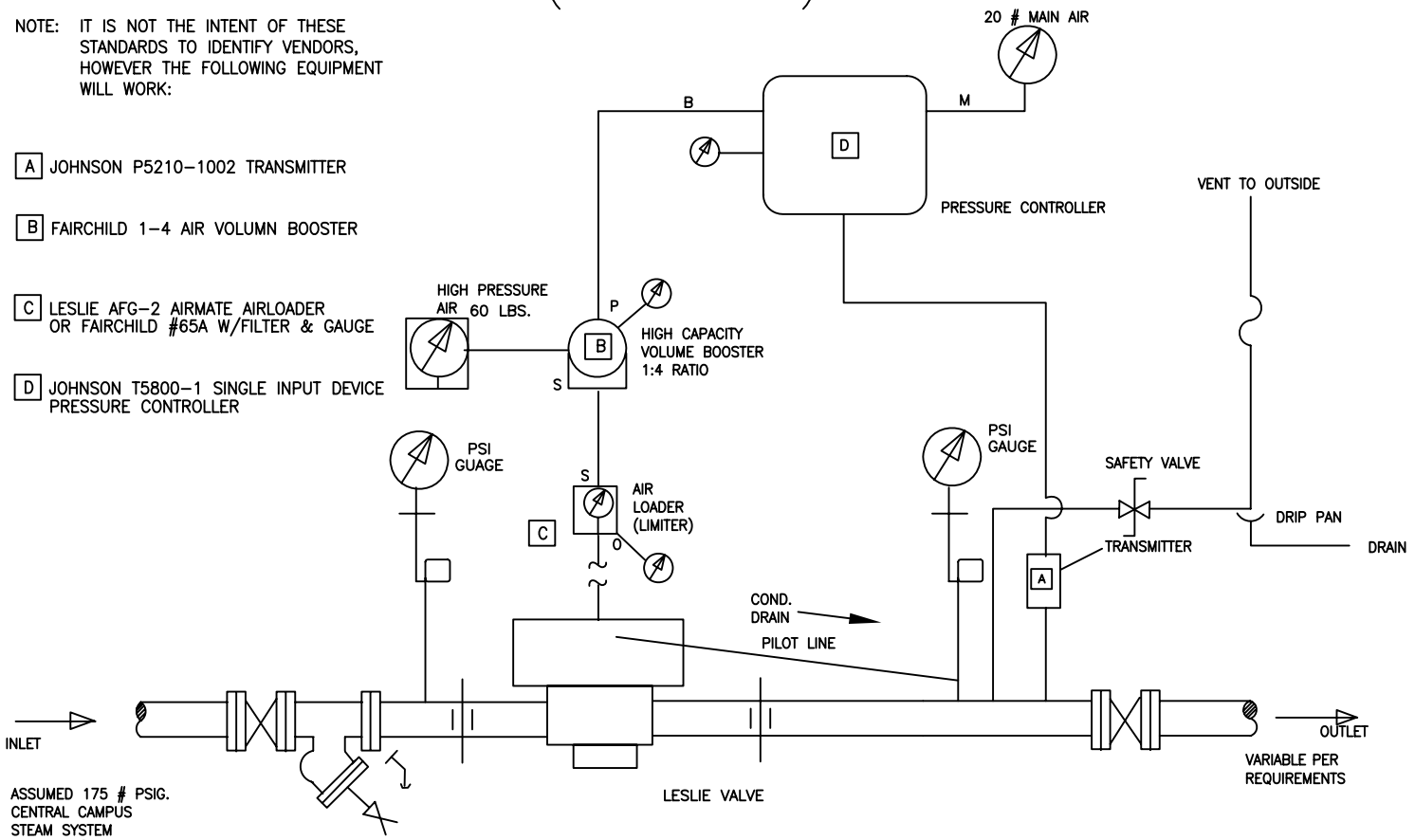
NOTE: IT IS NOT THE INTENT OF THESE STANDARDS TO IDENTIFY VENDORS, HOWEVER THE FOLLOWING EQUIPMENT WILL WORK:

[A] JOHNSON P5210-1002 TRANSMITTER

[B] FAIRCHILD 1-4 AIR VOLUMN BOOSTER

[C] LESLIE AFG-2 AIRMATE AIRLOADER OR FAIRCHILD #65A W/FILTER & GAUGE

[D] JOHNSON T5800-1 SINGLE INPUT DEVICE PRESSURE CONTROLLER



PRESSURE REDUCING VALVE

1. A pressure controller sensing the reduced pressure will reload the pressure reducing valve, only when the inlet pressure changes, due to plant conditions, pressure drops etc. to insure the proper outlet pressure is maintained. The air loader will be set at a maximum pressure to limit the amount of loading pressure on the reducing valve.

2. The high capacity volume booster is only needed when the loading pressure is above 18# PSIG. All controllers must be high volume relay type. (not one pipe bleed pressure controller).

3. Provide gauges for main air pressure and at pressure reductions.

4. The air loader, volume booster, and controller are to be mounted in an accessable location remote from the Leslie PRV.

UNIVERSITY OF KENTUCKY DESIGN & CONSTRUCTION STANDARDS

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