UNIVERSITY OF COLORADO
STEAM-TRANSFER SYSTEM SINGLE STAGE REDUCTION
PRESSURE REDUCING STATION

1. FORGED STEEL 300# GLOBE VALVE
2. ISO-VALVE - LOW FLOW (25%) HIGH PRESSURE SIDE
3. ISO-VALVE - HIGH FLOW (100%) LOW PRESSURE SIDE
4. CAST STEEL STRAINER HIGH FLOW
5. CAST STEEL STRAINER LOW FLOW
6. LESLIE GPK LOW FLOW
7. LESLIE GPK HIGH FLOW
8. LESLIE ORIFICE PLATE - HIGH FLOW
9. LESLIE ORIFICE PLATE - LOW FLOW
10. LESLIE INTERLOCKING TRANSFER VALVE
11. LESLIE AF-2 AIR MATE
12. ISO VALVE - LOW FLOW - LOW PRESSURE SIDE
13. ISO VALVE - HIGH FLOW - LOW PRESSURE SIDE
14. SAFETY RELIEF VALVE (SIZED BY LESLIE REP.)
15. DRIPI PAN EL (AS CLOSE TO SRV AS POSSIBLE)
16. LOW PRESSURE SIDE DRIPI (3/4")
17. HIGH PRESSURE SIDE DRIPI (3/4")
18. LESLIE PRA PILOT
19. LIQUID FILLED PRESSURE GAUGE

MAIN AIR
MAIN AIR
HPS
LPS
C.U. STANDARD FOR STEAM MAINS

MAIN DRIP

1. FORGED STEEL GATE VALVE
2. CAST STEEL STRAINER WITH BLOWDOWN
3. S.S. SPRING CHECK
4. FORGED STEEL UNION
5. ARMSTRONG INVERTED BUCKET TRAP (2011pc)
6. FORGED STEEL TEE W BALL VALVE FOR TESTING TRAP
7. SWING CHECK VALVE
8. CARRON STEEL STEAM RATED RADI VALVE

TRAP SIZED AT 3 TO 1 AT OPERATING PRESSURE DIFFERENTIALS

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<tr>
<td>STEAM MAIN SIZE (IN.)</td>
<td>DRIFF LEG DIAM. (IN.)</td>
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* MINIMUM
TYPICAL PIPING FOR STEAM COIL

1. ISOLATION VALVE
   (2" SMALLER FORCED STEEL CAGE)
   (2 1/2" + LARGER - HIGH PERFORMANCE BUTTERFLY LUG
   STYLE WITH GEAR OPERATOR)

2. CAST STEEL STRAINER WITH BLOWDOWN

3. FORGED STEEL UNION (2"+SMALLER)
   WELD NECK FLANGE (2 1/2" + LARGER)

4. POWERS FLO-RITE II CONTROL VALVE WITH POWER POSITIONER

5. VACUUM BREAKER (JOHNSON OR SARCO)

6. STEAM TRAP

7. FORGED STEEL TEE WITH BALL VALVE FOR TESTING

8. SWING CHECK

9. CARBON STEEL STEAM RATED BALL VALVE