UNIVERSITY OF COLORADO
STEAM PRESSURE REDUCING STATION – SINGLE STAGE

1. NA
2. ISO VALVE HIGH PRESSURE SIDE
3. CAST STEEL STRAINER
4. LESLIE GPK REDUCING VALVE
5. LESLIE MUFFLING ORFICE PLATE AS NEEDED.
6. LESLIE AF-2 AIR MATE
7. ISO VALVE – LOW PRESSURE SIDE
8. SAFETY RELIEF VALVE (SIZED BY LESLIE REP.)
9. DRIP PAN EL
10. LOW PRESSURE SIDE – DRIP (3/4”)
11. HIGH PRESSURE SIDE – DRIP (3/4”)
12. DRY PRESSURE GAUGE (4” FACE)
UNIVERSITY OF COLORADO
STEAM-TRANSFER SYSTEM SINGLE STAGE REDUCTION
PRESSURE STATION NO REDUNDANCY

1. NA
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 D-BOY LOW FLOW
7. LESLIE D-BOY HIGH FLOW
8. LESLIE ORIFICE PLATE - HIGH FLOW AS NEEDED
9. LESLIE ORIFICE PLATE - LOW FLOW AS NEEDED
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. Drip pan EL (AS CLOSE TO SRV AS POSSIBLE)
16. LOW PRESSURE SIDE Drip (3/4")
17. HIGH PRESSURE SIDE Drip (3/4")
18. LESLIE PRA PILOT
19. DRY PRESSURE GAUGE
C.U. STANDARD FOR STEAM MAINS

MAIN DRIP

1. FORGED STEEL GATE VALVE
2. CAST STEEL OR CAST IRON 250#, PENDING PRESSURE, STRAINER WITH BLOWDOWN (MAY BE CAST STEEL OR CAST IRON 250#, PENDING PRESSURE)
3. S.S. SPRING CHECK
4. 250# MALLEABLE
5. ARMSTRONG INVERTED BUCKET TRAP (2011pc)
6. FORGED STEEL TEE W BALL VALVE FOR TESTING TRAP
7. NA
8. CARBON STEEL STEAM RATED BALL VALVE

TRAP SIZED AT 3 TO 1 AT OPERATING PRESSURE DIFFERENTIALS

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

1. ISOLATION VALVE
   (2"+ SMALLER - FORGED STEEL GATE)
   (2 1/2" + LARGER - HIGH PERFORMANCE BUTTERFLY LUG
   STYLE WITH GEAR OPERATOR)
2. CAST IRON 250# STRAINER WITH BLOWDOWN
3. 250# MALLEABLE (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