**KEY NOTES**

1. TEE SHALL BE FULL SIZE FOR 4" AND SMALLER MAINS, 4" FOR 5" AND 6" MAINS AND 1/2 OF DIAMETER FOR LAGER MAINS.
2. INSTALL LEGS OF STRAINERS IN HORIZONTAL POSITION TO MINIMIZE CONDENSATE HOLDING.
3. INSTALL 1" BLOW DOWN VALVE ON DRIP LEG.
4. INSTALL A 1/2" BLACK PIPE AND BALL VALVE ON THE CONDENSATE LINE OF ALL TYPICAL STEAM TRAP INSTALLATIONS FOR THE PURPOSE OF CHECKING TO SEE IF THE TRAP IS FUNCTIONING PROPERLY. DIRECT OUTLET OF VALVE AWAY FROM PIPING INSULATION OR OTHER EQUIPMENT IN THE VICINITY.
5. USE A MINIMUM OF TWO 90 DEGREE BENDS BETWEEN CHECK VALVE AND ISOLATION VALVE ON CONDENSATE MAIN TO ALLOW MOVEMENT BETWEEN STEAM PIPE AND CONDENSATE RETURN PIPE.
6. 45 DEGREE ENTRY INTO CONDENSATE MAIN IN THE DIRECTION OF THE CONDENSATE FLOW TO PREVENT EROSION OF OPPOSITE PIPE WALL.

**GENERAL NOTES**

1. DRIP AND DIRT LEGS SHALL BE AT LEAST TWICE THE DIAMETER OF THE TRAP INLET.
2. LOCATE DRIP TRAPS AT 300 FOOT MAXIMUM INTERVALS AND UPSTREAM OF ALL EXPANSION JOINTS, BRANCH CONNECTIONS, ELEVATION CHANGES OR CONTROL VALVES.
3. ISOLATION VALVES AT EITHER END OF THE TRAP ASSEMBLY NEED TO BE LOCATED AS CLOSE TO MAIN AS POSSIBLE. MINIMIZE THE NUMBER OF FITTINGS BETWEEN ISOLATION VALVE AND MAIN.
4. ALL PIPING TO BE THREADED SCHEDULE 80 STEEL PIPE AND 300# FITTINGS.
5. CITY CAMPUS STEAM SYSTEM USES ARMSTRONG SH250 SERIES BIMETALLIC SUPERHEAT STEAM TRAPS.
6. EAST CAMPUS STEAM SYSTEM USES ARMSTRONG 800 SERIES INVERTED BUCKET STEAM TRAPS.
7. INSTALL TRAP ASSEMBLY IN LOCATION THAT IT IS ACCESSIBLE FOR INSPECTION AND REPAIRS.
8. DRIP LEG LENGTH TO BE 18" MINIMUM.