



NOTES:

1. ALL PIPE SHALL BE MINIMUM SCHEDULE 80 BLACK STEEL BETWEEN POINT OF CONNECTION TO EACH MAIN AND FIRST ISOLATION VALVE. COPPER TUBING MAY BE USED AFTER ISOLATION VALVES.
2. PROVIDE SUPPORTS FOR INSTRUMENTATION AND/OR PIPING AS REQUIRED FOR RIGID INSTALLATION.
3. ALL PIPING SHALL BE INSTALLED SO AS TO BE SELF-VENTING. HORIZONTAL RUNS OF INSTRUMENT PIPING SHALL BE PITCHED UPWARD TOWARD POINTS OF CONNECTION.
4. POINTS OF CONNECTION TO HORIZONTAL HYDRONIC PIPE MAINS SHALL BE ON SIDE OF THE PIPING AS SHOWN, NEITHER ON TOP (TO AVOID AIR), NOR BOTTOM (TO AVOID SEDIMENT).
5. OPERATING RANGE OF PRESSURE GAUGE AND EACH TRANSMITTER SHALL BE SELECTED TO APPROPRIATE RANGE.
6. IF A STATIC PRESSURE TRANSMITTER IS NOT REQUIRED AT THE SAME LOCATION AS THE DIFFERENTIAL PRESSURE TRANSMITTER AS SHOWN, DELETE TEE, VALVE AND SENSOR FROM THIS DETAIL. SEE DRAWING 23 09 13-2 FOR DETAIL OF STAND-ALONE STATIC PRESSURE TRANSMITTER.
7. IN HYDRONIC SYSTEMS WHERE DIFFERENTIAL PRESSURE (DP) FEEDBACK IS NEEDED, A DP TRANSMITTER SHALL BE INSTALLED NEAR THE MOST HYDRAULICALLY REMOTE COIL. THE TRANSMITTER SHALL BE CONNECTED TO PIPING ON THE "MAIN SIDE" OF COIL ISOLATION VALVES TO ALLOW THE COIL TO BE TAKEN OUT OF SERVICE WITHOUT DISABLING THE DP TRANSMITTER. IN LARGE SYSTEMS WHERE IT IS DIFFICULT TO IDENTIFY THE MOST HYDRAULICALLY REMOTE COIL, IT MAY BE NECESSARY TO INSTALL MULTIPLE DP TRANSMITTERS.



DIFFERENTIAL PRESSURE INSTRUMENTATION PIPING

NOT TO SCALE

23 09 13-1

DIFFERENTIAL PRESSURE INSTRUMENTATION PIPING

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