GENERAL NOTES

1. PROVIDE MANUAL AIR VENT AT EACH HIGH POINT IN SYSTEM.
2. PROVIDE DRAIN AT EACH LOW POINT. SEE DRAWING # 23 21 13-02.
3. ALL THREADED STEEL PIPE NIPPLES SHALL BE SCHED. 80

EXPANSION TANK CHARGING PROCEDURE:
1. ENSURE THAT SYSTEM FLUID IS ROOM TEMPERATURE
2. ENSURE THAT ALL AIR IS VENTED FROM SYSTEM
3. CLOSE VALVE BETWEEN EXPANSION TANK AND SYSTEM
4. OPEN VENT/DRAIN VALVE AT EXPANSION TANK
5. ADJUST AIR PRESSURE TO ___ PSIG.
6. CLOSE DRAIN/VENT VALVE AT TANK
7. OPEN VALVE BETWEEN EXPANSION TANK AND SYSTEM

BLOW-DOWN PROCEDURE FOR AIR/DIRT SEPARATOR:
1. CLOSE VALVE V-1
2. OPEN VALVES V-2 AND V-3
3. THROTTLE VALVE V-4
4. DO NOT EXCEED 15 PSIG ACROSS BAG FILTER
5. CLEAN BAG FILTER AS REQUIRED
6. RETURN VALVES TO ORIGINAL POSITIONS

KEYNOTES

1. CONNECT EXPANSION TANK PIPING TO SIDE OF MAIN, SIZE PIPING PER MANUFACTURER'S RECOMMENDATIONS.
2. SET SAFETY RELIEF VALVE AT ___ PSIG. SIZE PER ASME CODE.
3. PROVIDE DP AND SP TRANSMITTERS AT REMOTE LOCATION(S) IN SYSTEM. REFERENCE DRAWINGS # 23 09 13-1 AND 23 09 13-2
4. PROVIDE AUTOMATED BYPASS VALVE NEAR LOCATION OF DP TRANSMITTER. REFER TO TEMPERATURE CONTROLS TRADE FOR ADDITIONAL REQUIREMENTS.

FLOW DIAGRAM - HOT WATER HEATING SYSTEM
NOT TO SCALE
23 21 00-01