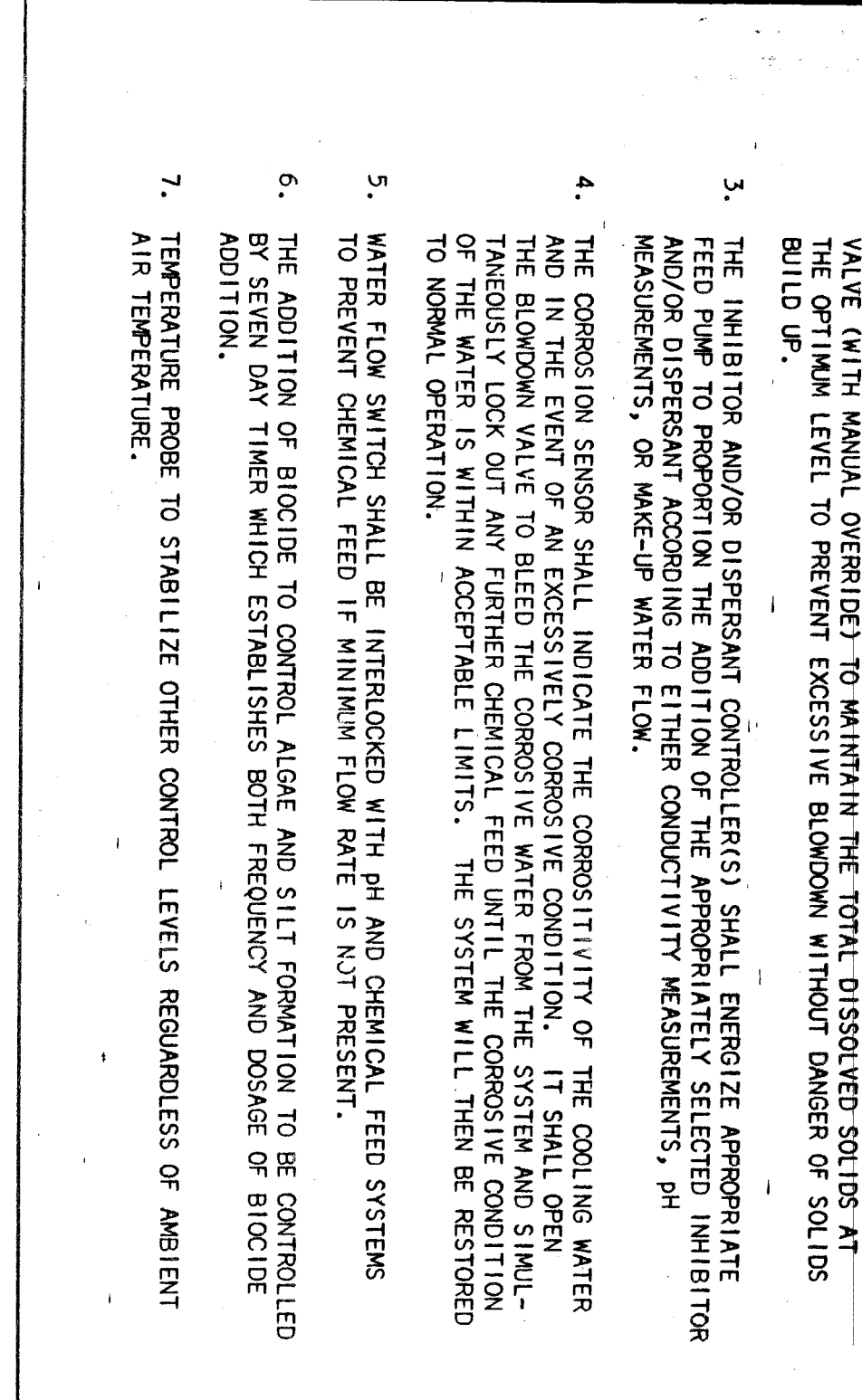


SEQUENCE OF OPERATION FOR WATER TREATMENT SYSTEM:

NOTES:

- THE PH CONTROLLER SHALL PROPORTION THE ADDITION OF EITHER ACID OR ALKALI REQUIRED TO MAINTAIN THE WATER PH AT THE DESIRED SETPOINT. EXCESSIVE ADDITION FROM SERVOMAN SHALL ACTIVATE AN ALARMS AND VISUAL ALARMS.
- THE CONDUCTIVITY CONTROLLER SHALL OPEN OR CLOSE AN AUTOMATIC BLOWDOWN VALVE TO MAINTAIN THE TOTAL DISSOLVED SOLIDS AT THE SETPOINT LEVEL TO PREVENT EXCESSIVE BLOWDOWN WITHOUT DANGER OF SOLIDS BUILD UP.
- THE INJECTION AND/OR DISPENSER CONTROLLER(S) SHALL ENERGIZE APPROPRIATE FEED PUMP AND PROPORTION THE ADDITION OF EITHER ACID OR ALKALI TO MAINTAIN THE pH AT THE DESIRED SETPOINT. EXCESSIVE ADDITION SHALL ACTIVATE AN ALARMS AND VISUAL ALARMS.
- THE CORROSION SENSOR SHALL INDICATE THE CORROSIVITY OF THE COOLING WATER AND IN THE EVENT OF AN EXCESSIVELY CORROSIVE CONDITION, IT SHALL OPEN THE BLOWDOWN VALVE TO BLEED THE CORROSIVE WATER FROM THE SYSTEM AND SIMULTANEOUSLY LOCK OUT ANY FURTHER CHEMICAL FEED UNTIL THE CORROSIVE CONDITION IS CORRECTED TO NORMAL OPERABLE LIMITS. THE SYSTEM WILL THEN BE RESTORED TO NORMAL OPERATION.
- WATER FLOW SWITCH SHALL BE INTERLOCKED WITH PH AND CHEMICAL FEED SYSTEMS TO PREVENT CHEMICAL FEED IF MINIMUM FLOW RATE IS NOT PRESENT.
- THE ADDITION OF BLOWDOWN TO CONTROL ALGAE AND SLIT FORMATION TO BE CONTROLLED BY SEVEN DAY TIMER WHICH ESTABLISHES BOTH FREQUENCY AND DURATION OF BLOWDOWN.
- TEMPERATURE PROBE TO STABILIZE OTHER CONTROL LEVELS REGARDLESS OF AMBIENT AIR TEMPERATURE.



STEAM PRESSURE REDUCING STATION

TPY. FOR PVP STATIONS 2, 3, 4, 5, 6

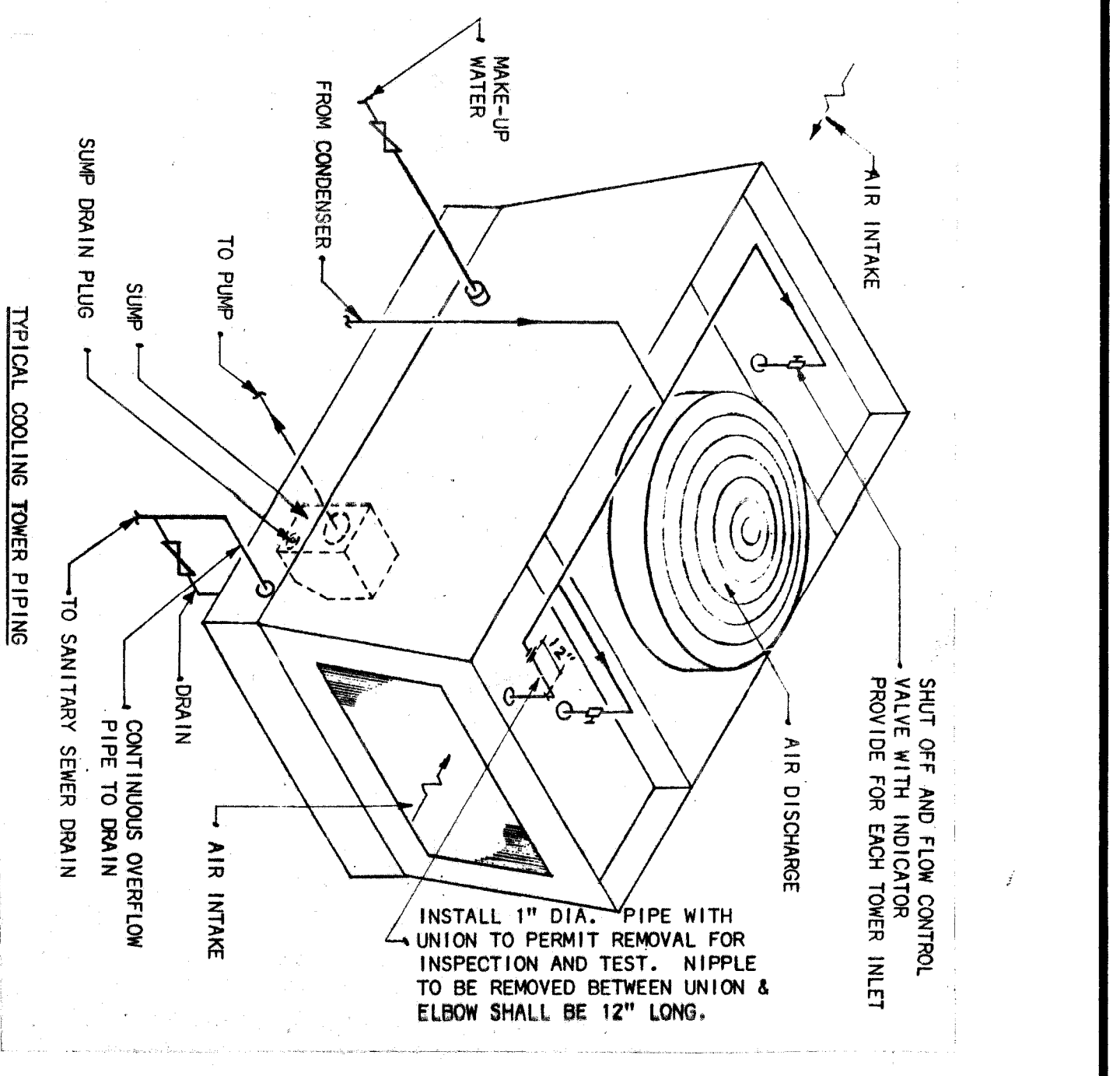
1. SEE DRAWINGS FOR PIPE SIZES.

2. SEE SCHEDULES FOR VALVE DATA AND SIZE OF D1 AND D2. INSTALL VALVES AS RECOMMENDED BY MANUFACTURER.

3. MAKE BYPASS VALVE DISCHARGE PIPE THE SAME AS D2 FOR THE LARGEST PVP.

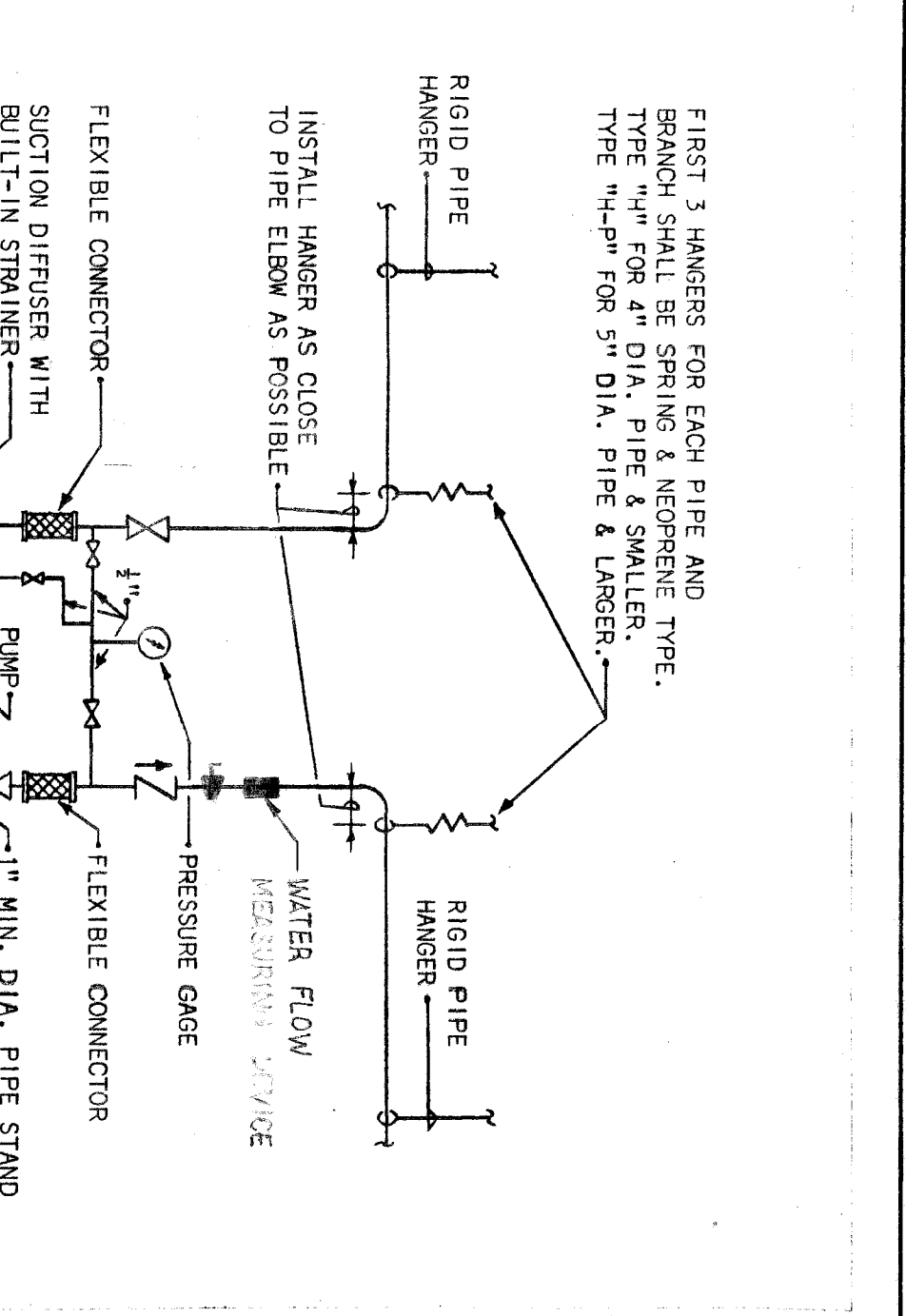
4. PROVIDE UNIONS FOR THE REMOVAL OF VALVES WITH SCREENED CONNECTIONS.

5. 3RD VALVE - REQUIRED FOR PVP STATION #4 ONLY.



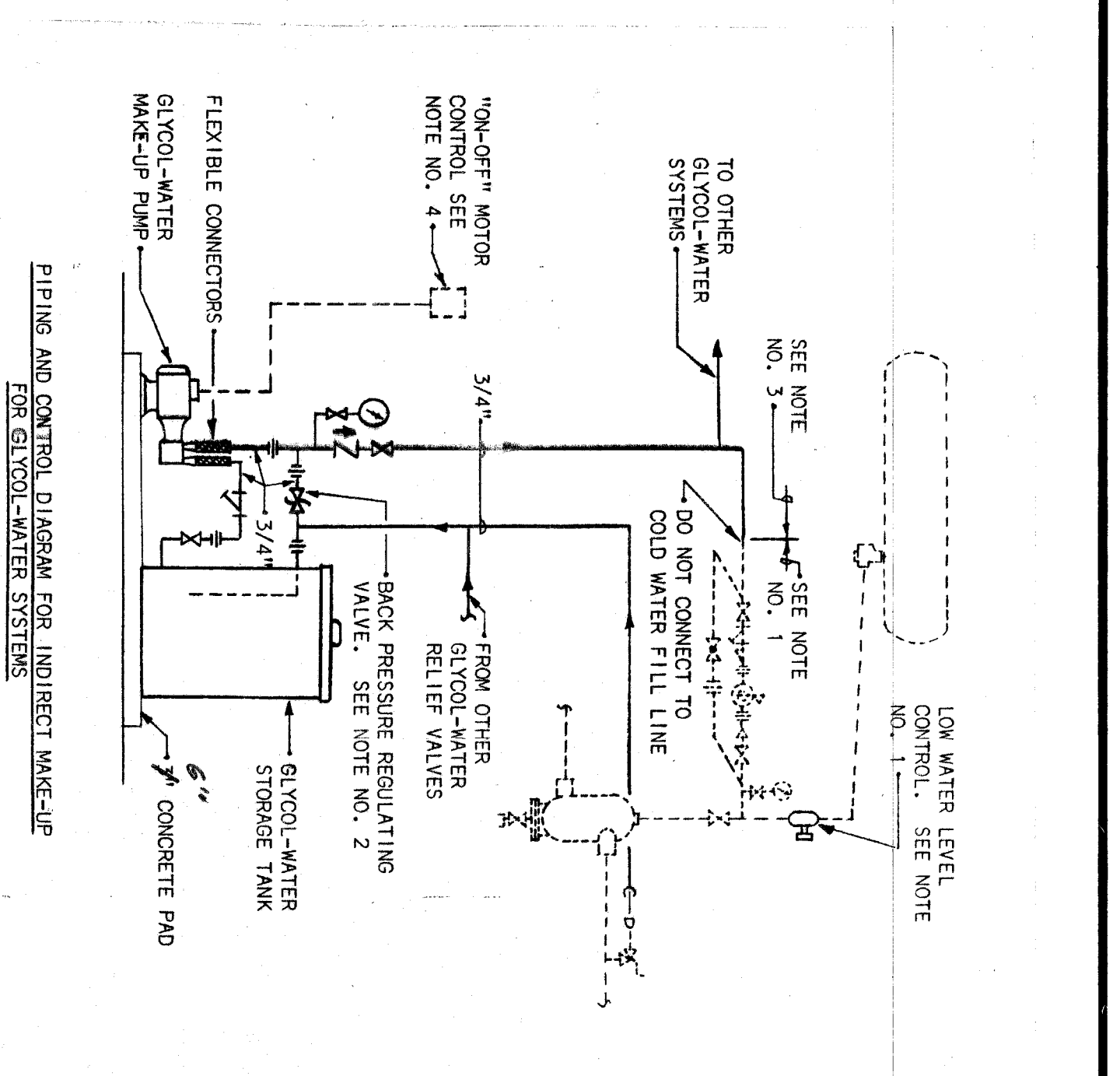
NOTE:

DETAIL INDICATES ONE CELL. COOLING TOWERS #1 AND #2 ARE TWO-CELL TOWERS, WHILE COOLING TOWER #3 IS ONE CELL. FOR COOLING TOWERS #1 AND #2, THE BASINS OF THE CELLS ARE TO BE INTERCONNECTED BY FLEXIBLE CONNECTIONS. THE BASINS OF THE CELLS ARE TO BE INTERCONNECTED BY FLEXIBLE CONNECTIONS. THE BASINS OF THE CELLS ARE TO BE INTERCONNECTED BY FLEXIBLE CONNECTIONS. THE BASINS OF THE CELLS ARE TO BE INTERCONNECTED BY FLEXIBLE CONNECTIONS.



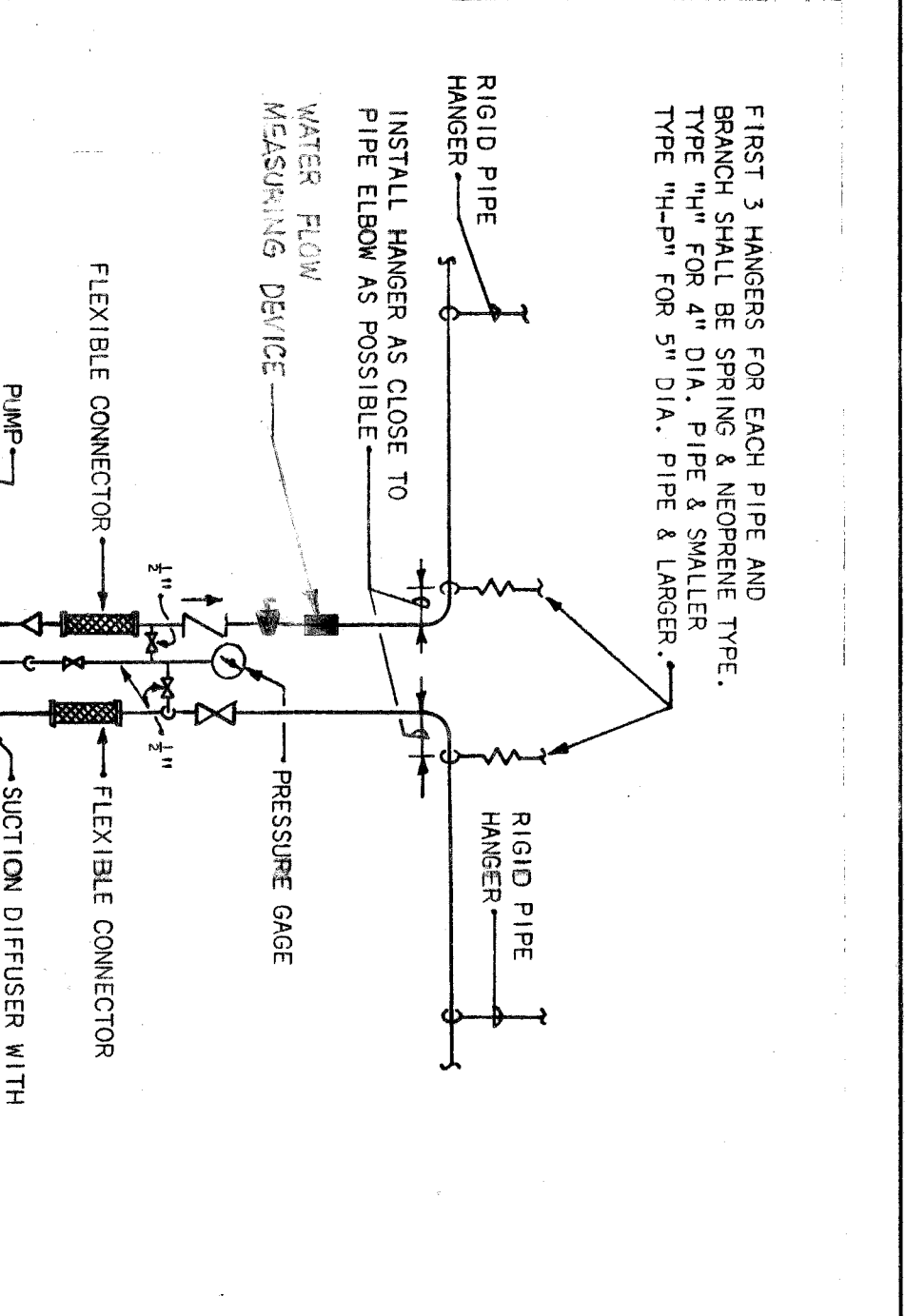
NOTE:

1. PROVIDE ROOM FOR INSULATING FILTER AND PIPING.



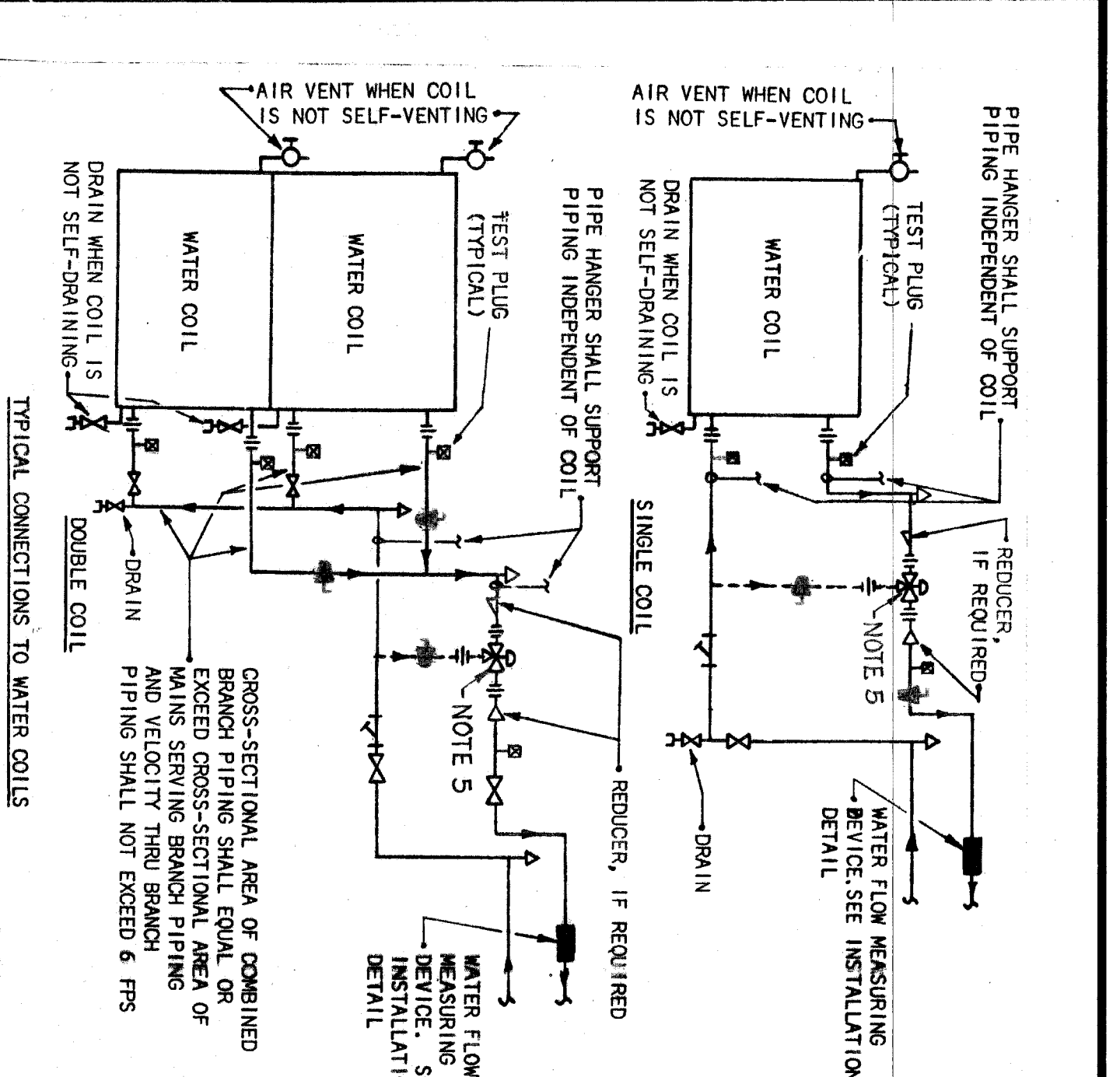
NOTE:

1. PROVIDE ALL ITEMS SHOWN ON THE DETAIL. WATER CONTROL & PIPING CONNECTIONS FOR WATER SYSTEMS, AND THE LOW WATER LEVEL CONTROL SHOULD PROVIDE ALLOW VALVE DRAIN SHALL RETURN TO TANK AS SHOWN ON THIS DETAIL.



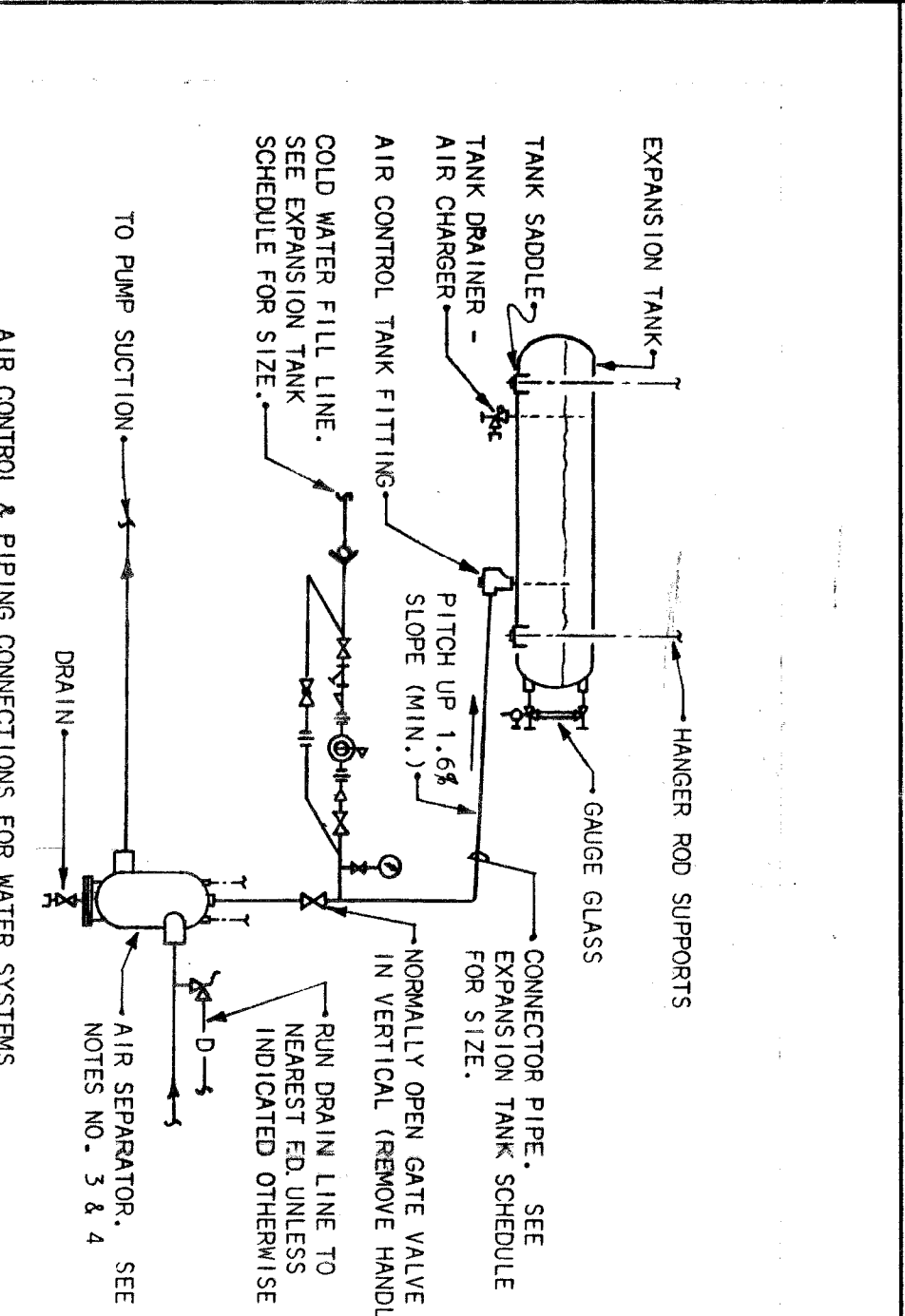
NOTE:

1. INSTALL TOP OF CHEMICAL POT FEEDER TANK NOT MORE THAN 3'-0" ABOVE FLOOR.



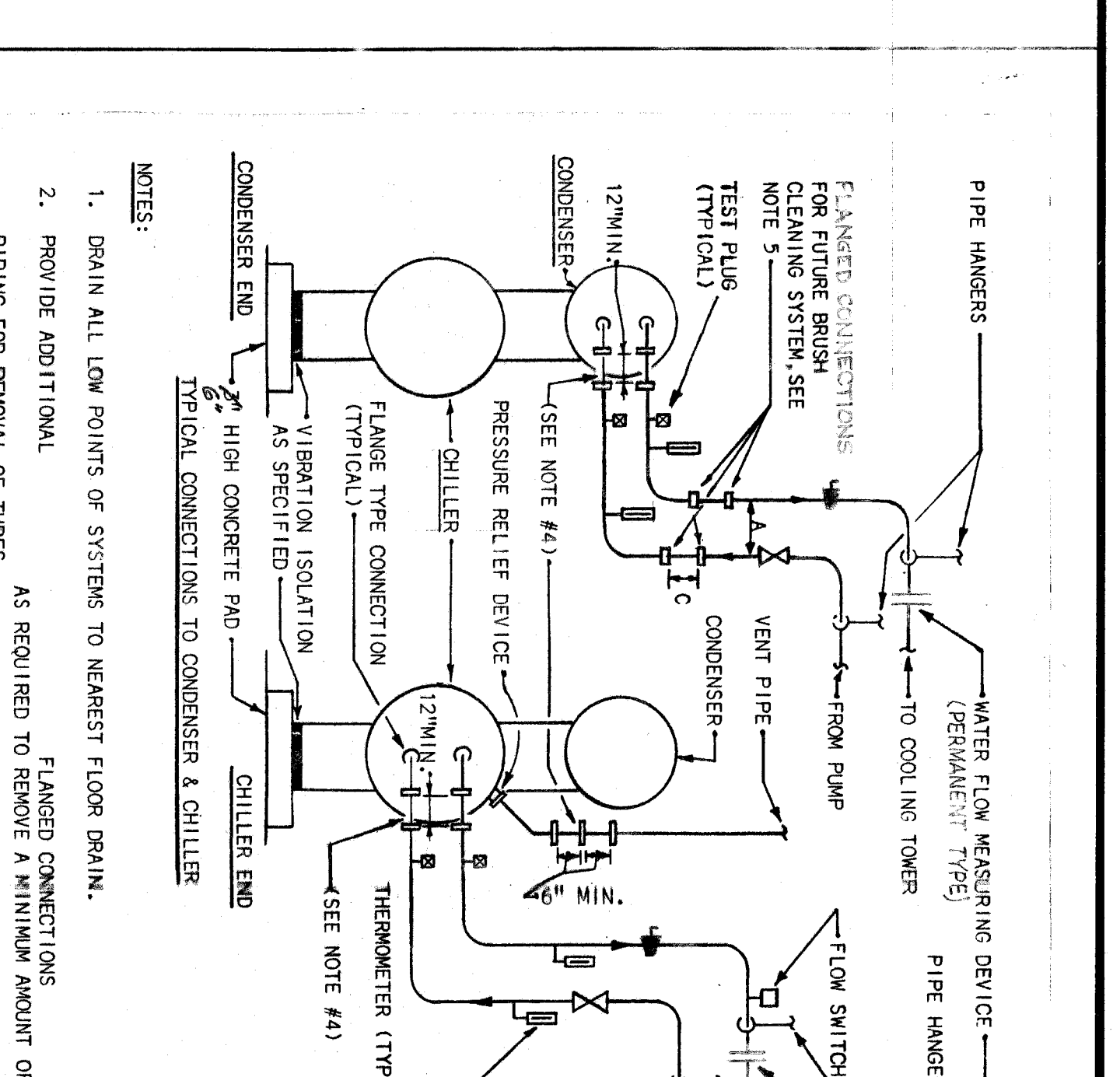
NOTE:

1. WHEN COIL IS INCLUDED IN CASTING MOUNTED ON VIBRATION ISOLATOR UNITS, THE COIL SHALL BE INSTALLED IN SUCH MANNER THAT IT WILL NOT BLOCK THE SAVING OF SPACE FOR THE VIBRATION.



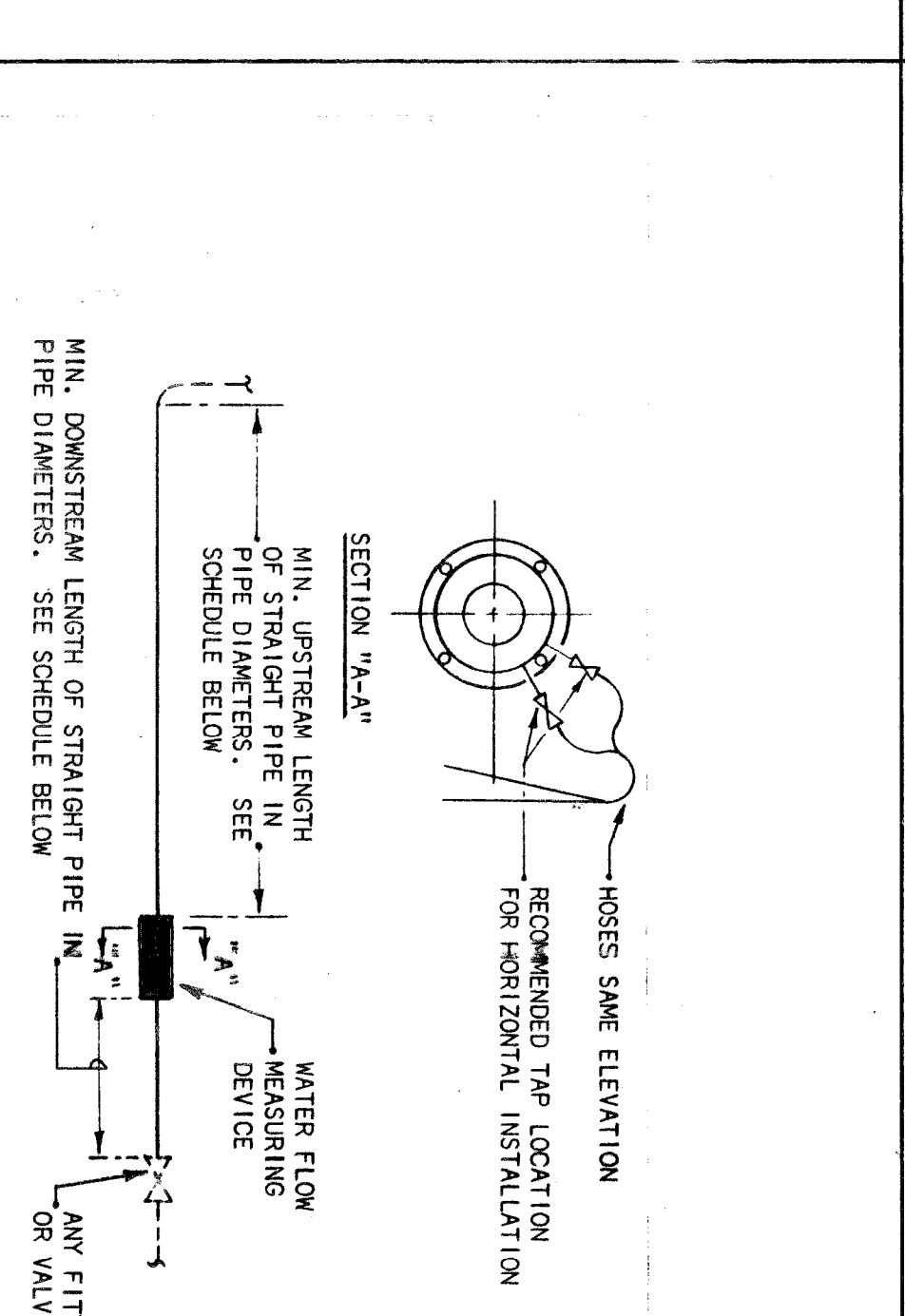
NOTE:

1. SEE EXPANSION TANK SCHEDULE FOR COMPONENT SIZES.



NOTE:

1. DRAIN ALL LOW POINTS OF SYSTEMS TO NEAREST FLOOR DRAIN.



NOTE:

1. DRAIN ALL LOW POINTS OF SYSTEMS TO NEAREST FLOOR DRAIN.

RECORD DRAWING  
CORRECTED ON BASIS OF DATA  
FURNISHED BY THE RESIDENT ENGINEER

Key Plan

RTKL/OS&D/HENRY ADAMS (L.V.)  
ARCHITECTS AND ENGINEERS  
400 E. PRATT STREET  
BALTIMORE, MD 21202

Drawing Title  
DETAILS  
HVAC

Approved Project Director  
Project No.  
324-BED  
REPLACEMENT  
HOSPITAL - PHASE II

Building Number  
1

Checked  
Drawn

DRAWING NO.  
511-001D

DATE  
9/1/86

DATE  
5/11/01

DATE  
1-1-10

DATE  
12/3

Veterans  
Administration