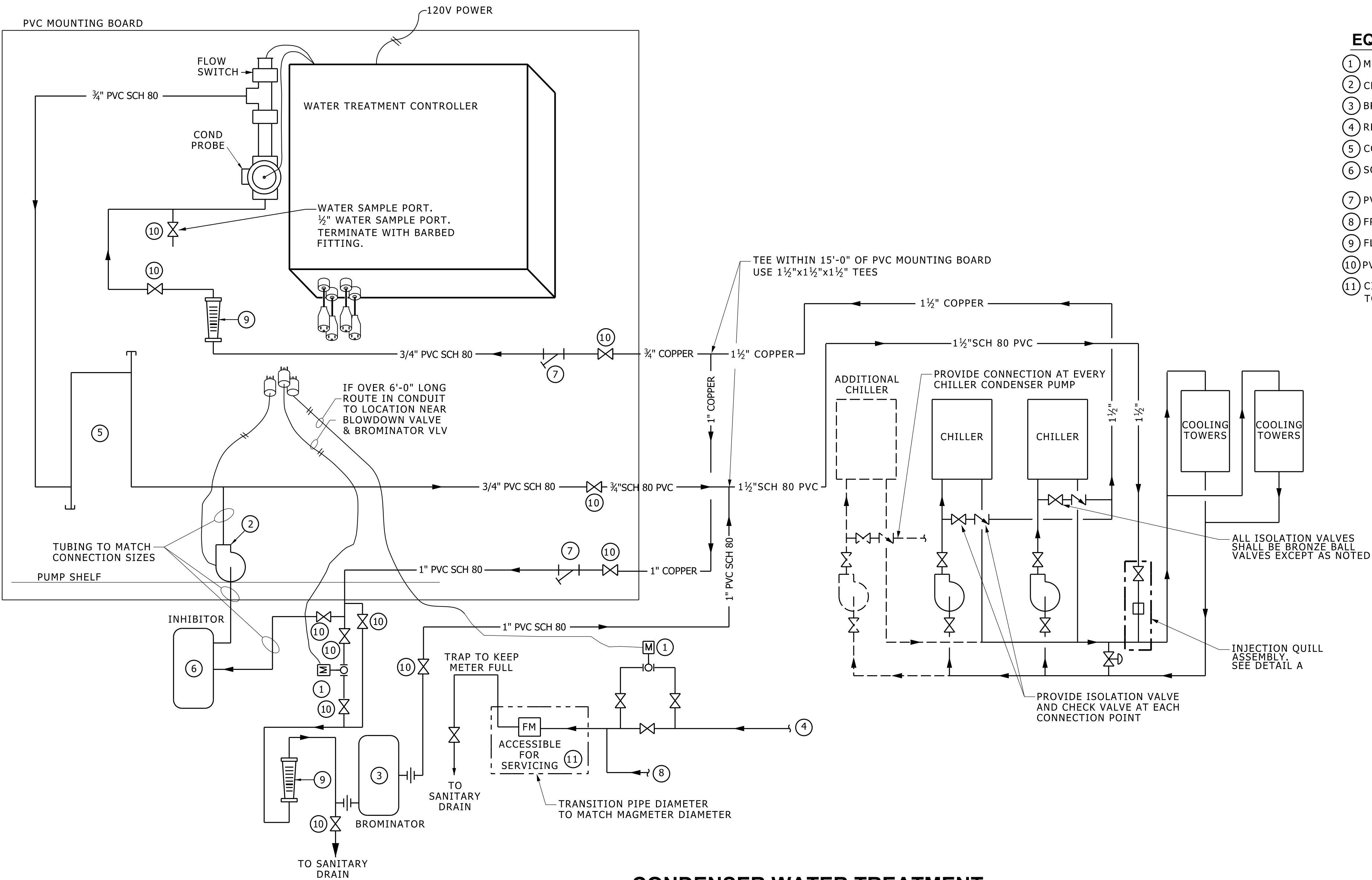
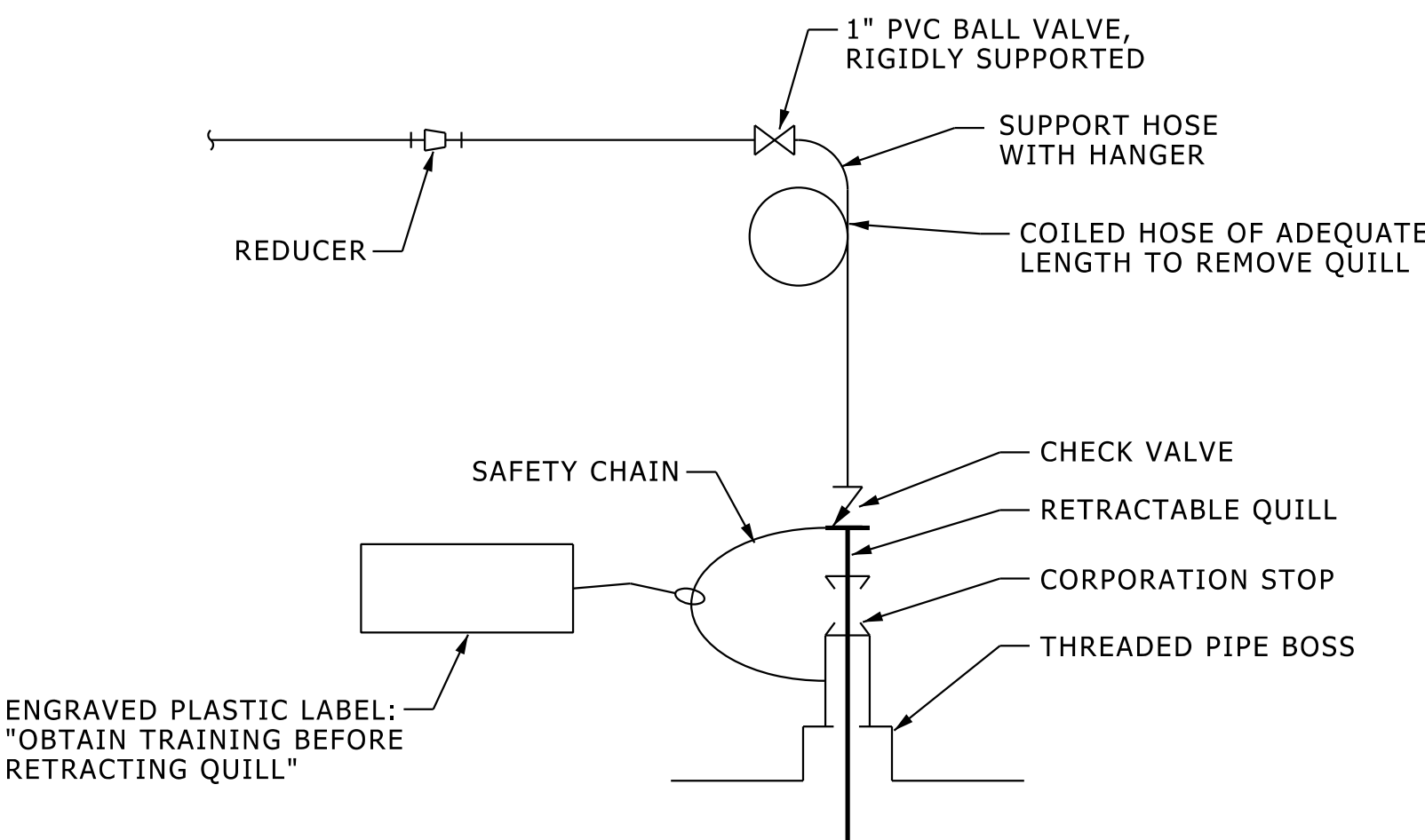




MECHANICAL REFERENCE NOTES:

EQUIPMENT NOTES

- 1 MOTOR OPERATED BALL VALVE
- 2 CHEMICAL FEED PUMP.
- 3 BROMINE FEEDER TANK.
- 4 REFER TO OTHER DRAWINGS FOR TOWER BLOW DOWN CONNNECTION POINT.
- 5 CORROSION COUPON RACK
- 6 SOLID CORROSION INHIBITOR DISSOLVER
- 7 PVC CLEAR PLASTIC STRAINER
- 8 FROM COOLING TOWER DRAIN AND BASIN OVERFLOW.
- 9 FLOW INDICATOR
- 10 PVC BALL VALVE
- 11 CITY OF ANN ARBOR BLOWDOWN MAGMETER. INSTALL NO HIGHER THAN 48" AFF IN AN INVERTED SECTION TO MAINTAIN "PIPE FULL" AT ALL TIMES. COORDINATE LOCATION WITH CITY OF ANN ARBOR.



DETAIL A
RETRACTABLE INJECTION QUILL ASSEMBLY
NO SCALE

CONDENSER WATER TREATMENT
EQUIPMENT DIAGRAM (SOLID CHEMICAL METHOD)

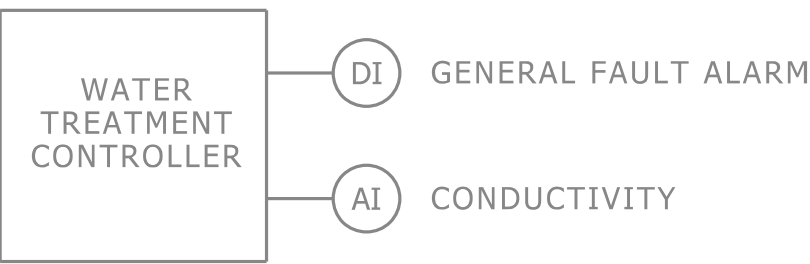
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DESIGNER NOTES (DELETE FROM CONTRACT DRAWINGS)

- A. FOR A CONDENSER WATER SYSTEM WITH MULTIPLE CHILLERS AND CONDENSER WATER PUMPS, EACH SUPPLY PIPE BETWEEN THE PUMPS AND THE CHILLERS REQUIRES A TAP WITH A BALL VALVE AND CHECK VALVE.
- B. THE COOLING TOWER DRAIN AND OVERFLOW DRAIN SHOULD BE CONNECTED BEFORE THE BLOWDOWN METER.
- C. IF THE CONDENSER WATER SYSTEM INCLUDES A CENTRIFUGAL OR COALESCING SEPARATOR, THE BLOWDOWN CONNECTION SHOULD BE FROM THE SEPARATOR DRAIN TO PROVIDE PERIODIC SOLIDS BLOWDOWN.
- D. PROVIDE LOCKABLE 120V SWITCH LOCATED AT/NEAR CITY WATER MAG METERS.
- E. PROVIDE 110V DEDICATED CIRCUIT FOR CHEMICAL PANEL AND CITY BLOWDOWN MAG METER.
- F. CONTROL DRAWINGS SHOWN SHOULD BE INCLUDED WITH CONTROL DRAWING SHEETS.
- G. REFER TO SCHEDULE BELOW FOR REQUIRED BLOWDOWN PIPE SIZES. INDICATE PIPE SIZES ON PROJECT DRAWINGS.

SCHEDULE	
SYSTEM TONS	PIPE SIZE
<500	¾"
1000	1"
1500	1¼"
2000	1½"
>2000	2"



SEQUENCE

- DDC MONITORS GENERAL FAULT ALARM AND WATER CONDUCTIVITY.