

COOLING TOWER DESIGN CRITERIA

DOCUMENT NUMBER: 15700

APPLICATION: ELEMENTARY, MIDDLE AND HIGH SCHOOL

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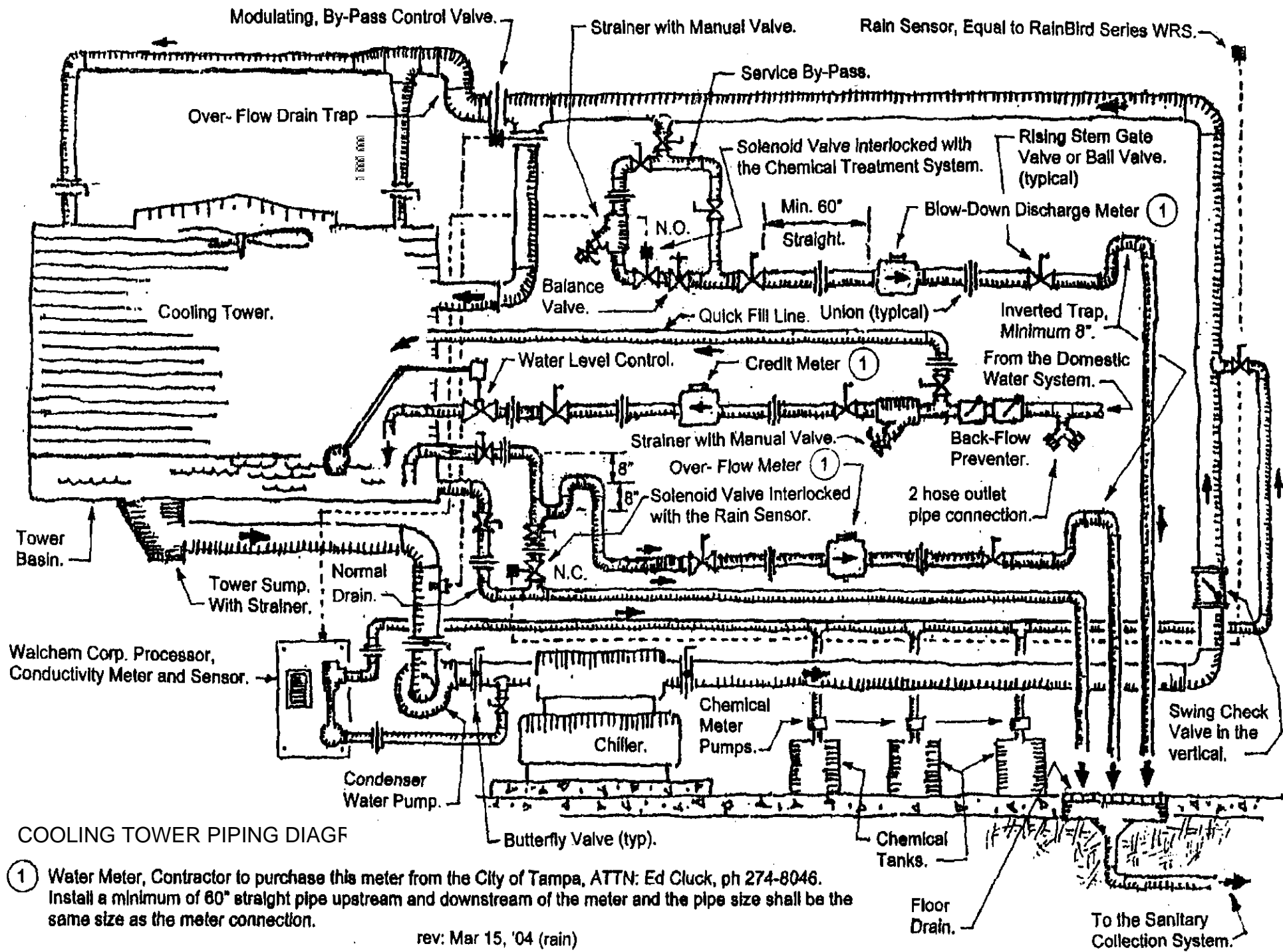
NOTES:

Cooling towers specifications are to include the following requirements:

1. Angle gearducer drive (with motor removed from air stream)
2. 1600 RPM, protected motors utilizing specified HP and voltage.
3. If fans are cycled for capacity control, a sufficient temperature differential must exist in the control setting to prevent exceeding six (6) motor starts per hour.
4. Stainless steel structure.
5. Stainless steel hardware.
6. Stainless steel drive shaft.
7. Stainless steel basins.
8. Stainless steel hot water basin covers.
9. Glass reinforced polyester casing and louvers
10. OSHA approved handrail and ladder.
11. Tower shipped assembled.
12. Make-up water float valves.
13. Flow control valves.
14. 3" minimum drain constructed in the bottom of each basin.
15. Fill and eliminators to be 3" minimum clearance from basin to permit unobstructed water flow.
16. Fan motors should be 2-speed in lieu of motor drives.
17. Include all required water treatment devices (in accordance with all applicable codes and regulations) and water treatment service, monitoring and reporting for a period of one (1) year from the date of substantial completion.

ATTACHMENTS:

Cooling Tower Piping Diagram



COOLING TOWER PIPING DIAGF

① Water Meter, Contractor to purchase this meter from the City of Tampa, ATTN: Ed Cluck, ph 274-8046. Install a minimum of 60" straight pipe upstream and downstream of the meter and the pipe size shall be the same size as the meter connection.

rev: Mar 15, '04 (rain)