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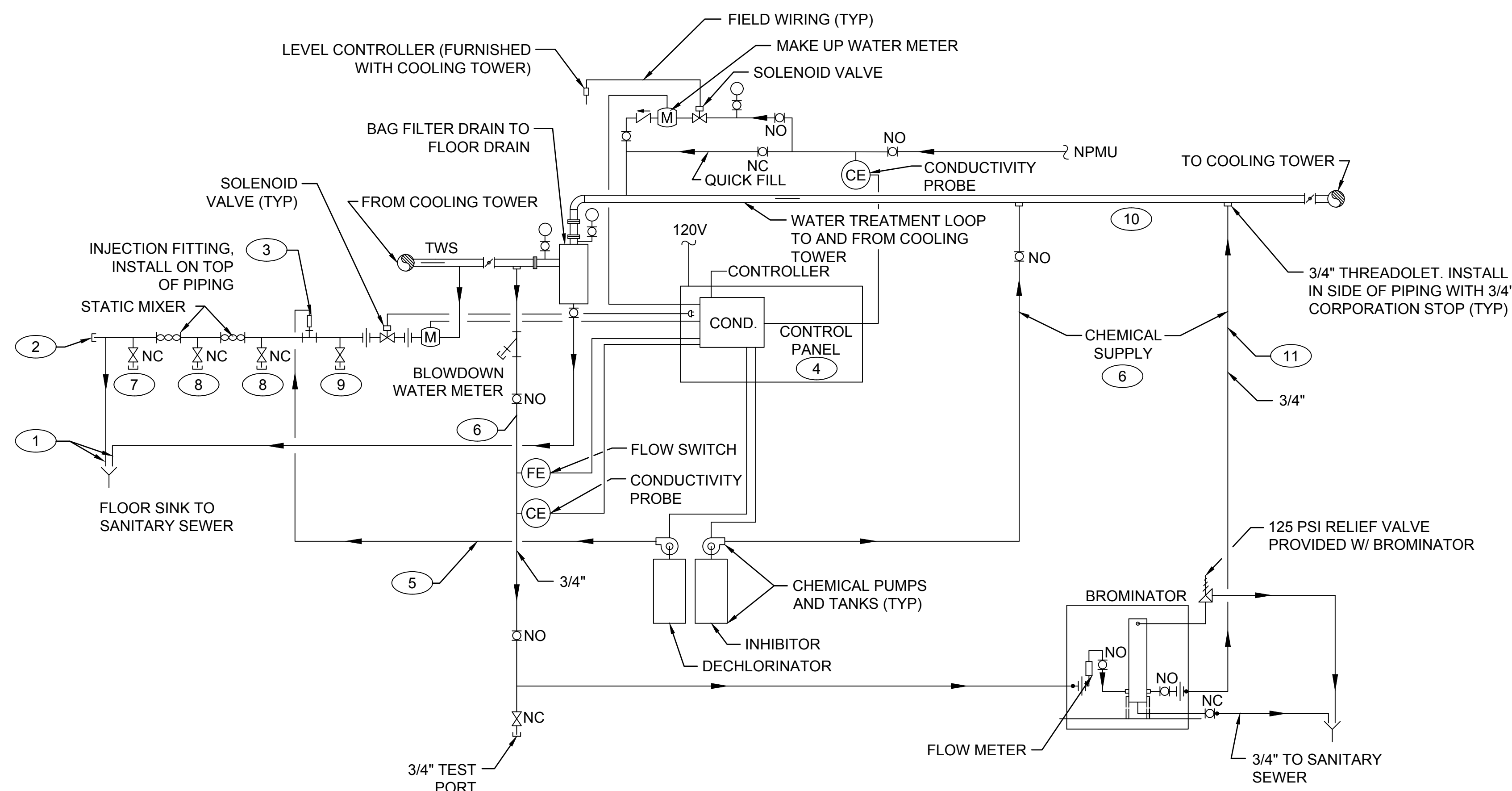
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**KEYED NOTES:**

- 1 THREAD END OF PIPE AT AIR GAP.
- 2 THREADED PIPE CAP
- 3 INJECTION FITTING FURNISHED WITH WATER TREATMENT SYSTEM (TYP).
- 4 MOUNT BOTTOM OF CONTROL PANEL 4'-8" AFF.
- 5 DECHLORINATION LINE (3/8" PLASTIC TUBING) REQUIRED ONLY WHEN ENV-CP ALLOWS DISCHARGE TO A PERMITTED OUTFALL.
- 6 3/4" PVC SCH 80
- 7 1/2" COMPLIANCE SAMPLING VALVE.
- 8 1/2" OPERATIONAL SAMPLING VALVE.
- 9 1/2" SAMPLING VALVE.
- 10 INHIBITOR AND BROMINE TO BE INJECTED IN WATER TREATMENT LINE NO CLOSER THAN 10 FEET.
- 11 BROMINATOR DISCHARGE TO BE ROUTED DIRECTLY TO COOLING TOWER BASIN IF FEASIBLE.



DRAWING DEVELOPED FOR ML-3/ ML-4 PROJECTS. FOR ML-1/ ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

**OPEN COOLING TOWER WATER TREATMENT FLOW DIAGRAM**

SCALE: NONE

**NOTES FOR DESIGNER:** (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. THIS DIAGRAM IS GUIDANCE ONLY AND ILLUSTRATES ONE TYPE OF A GARRETT CALLAHAN TREATMENT SYSTEM. CONSULT WITH THE FOD FACILITY ENGINEER FOR TYPE OF TREATMENT SYSTEM/CHEMICALS REQUIRED.
2. CONSULT WITH THE FOD FACILITY ENGINEER AND ENV-CP FOR LOCATION OF FLOW METERS AND SAMPLING VALVES (OPERATION, COMPLIANCE, ETC.)
3. DECHLORINATOR IS ONLY REQUIRED WHEN TOWER BLOW DOWN IS ROUTED TO A PERMITTED OUTFALL. DELETE LOOP FROM DRAWINGS FOR SYSTEMS THAT DISCHARGE TO THE SANITARY SEWER.
4. SEE SHEET 2 FOR ADDITIONAL NOTES.

NO	DATE	CLASS REV	DC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
3	06-29-17	UNCLASS	TO	ADMIN. CHANGES TO CAD STD. REV#5 FORMAT	JB	AJ	ML	ML	TO
2	09-03-14	U	ML	GENERAL REVISIONS.	JM	SH	RC	ML	TO
1	06-23-05	U	DY	GENERAL REVISIONS. DWG. DWG. NO. WAS ST6800	RP	MN	RF	CD	TO

**ENGINEERING STANDARDS**

**MECHANICAL**

**OPEN COOLING TOWER WATER TREATMENT FLOW DIAGRAM**

DRAWN	R. PEARSON
DESIGN	R. ROMERO
CHECKED	D. NGUYEN
DATE	06-28-99

TA- XX BLDG- XX

SUBMITTED POC DISCIPLINE: CHARLES DUPRE APPROVED FOR RELEASE STANDARDS MANAGER: TOBIN ORUCH

SHEET **1**

**1** OF **2**

D.C.: U REVIEWER: LARRY BAYS DATE: 06-28-99

PROJECT ID DRAWING NO **CHAPTER 6 ST-D30GEN-1** REV **3**

00% REVIEW NOT FOR CONSTRUCTION