

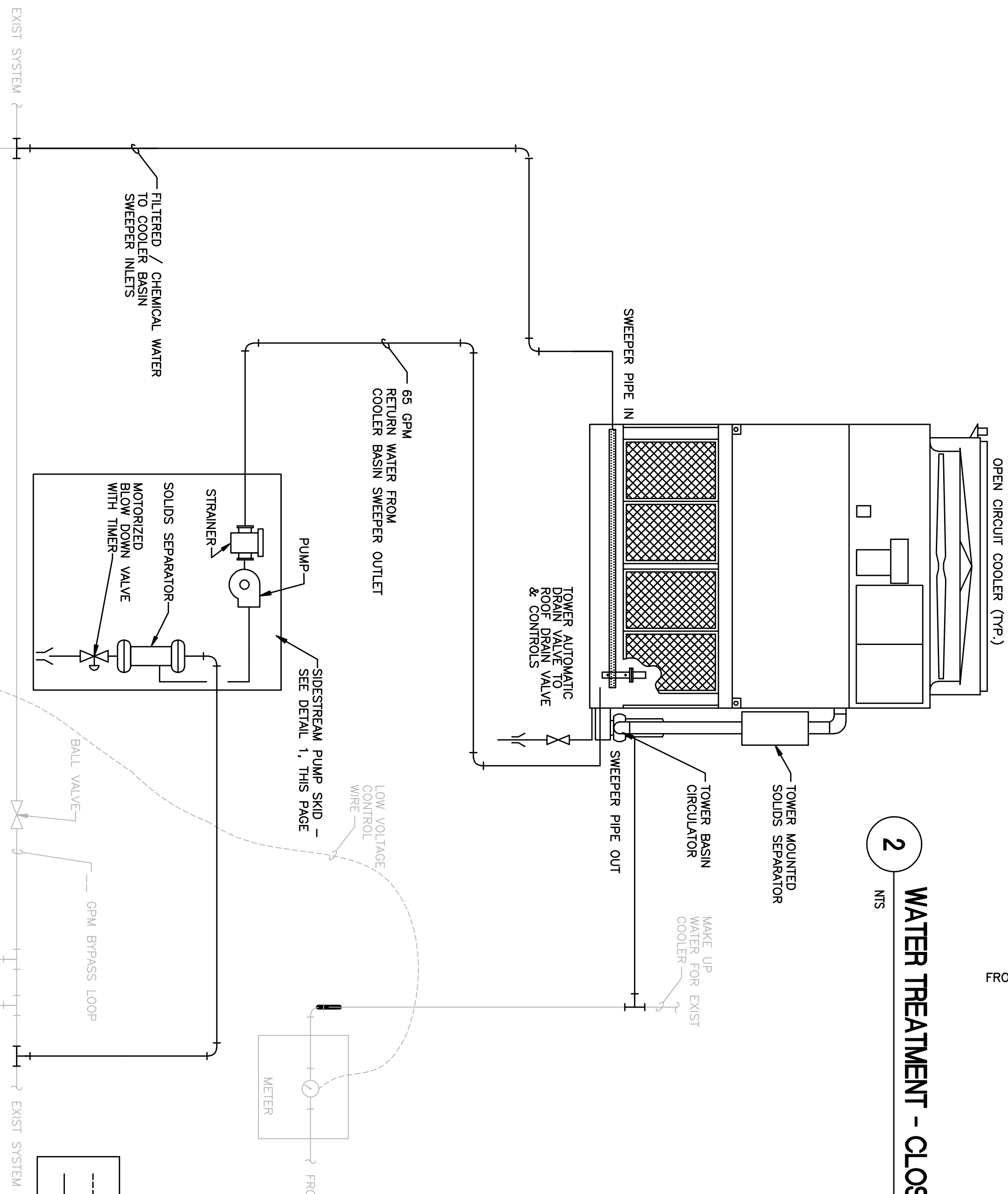
STEAM HUMIDIFIER CONTROLS - BY CONTROLS CONTRACTOR. RETURN (OR EXHAUST) AIR HUMIDITY SHALL BE MONITORED. ON A CALL FOR HUMIDIFICATION, HUMIDIFIER VALVE SHALL MODULATE TO MAINTAIN THE RETURN AIR HUMIDITY. RETURN TO 45% HUMIDITY. THE FEED WATER FROM THE HUMIDIFIER SHALL BE MONITORED FOR CONTAMINANTS. IF CONTAMINANTS ARE DETECTED, THE HUMIDIFIER AND ONE AN ALARM SIGNAL TO THE ECC IF THE SUPPLY AIR HUMIDITY EXCEEDS 90% RH (ADJUSTABLE). THE AIRFLOW SWITCH SHALL PROVE AIRFLOW BEFORE HUMIDITY CONTROLS ARE ACTIVATED.

**PIPING NOTES:**

- 1) PIPING IS PROVIDED IN THE DIRECTION OF STEAM FLOW A SLOPE OF 1/2" PER 12" IS REQUIRED. IF PIPING IS PITCHED AGAINST THE DIRECTION OF STEAM FLOW A SLOPE OF 2" PER 12" IS REQUIRED.
- 2) USE 45° ELBOWS WHERE POSSIBLE.
- 3) ALL STEAM/CONDENSATE PIPING IS TO BE INSULATED.
- 4) LOCATE THE HUMIDIFIER AS CLOSE AS POSSIBLE TO THE DUCT MOUNTED SHORT ABSORPTION MANIFOLD.

**NOTES:**

1. TOWER SYSTEM WILL INCORPORATE AN AUTOMATIC DRAIN CYCLE FOR WINTER OPERATION. ALL WATER PIPING SHOULD BE INSULATED TO PREVENT FREEZING AND TO PREVENT LOCK TO DRAIN VALVES BELOW THE ROOF.



**DESIGNER'S NOTES:**

1. DESIGNER'S SYSTEM BASED ON THE AVAILABLE WATER ANALYSIS AND RECOMMENDATIONS OF THE WATER TREATMENT CONSULTANT.
2. PROVIDE INTERFACE BETWEEN CHEMICAL FEED CONTROLLER AND WATER TREATMENT SYSTEM SHALL BE OPERATED MANUALLY.
3. CHILLED WATER TREATMENT SYSTEM SHALL BE OPERATED MANUALLY.
4. STORAGE TANKS AND FEED PUMPS MAY BE REQUIRED BASED ON THE OUTCOME OF THE WATER SAMPLE ANALYSIS.
5. DETAIL IS DIAGNOSTIC - CONTRACTOR TO SUBMIT FINAL PIPING ARRANGEMENT SHOWING EXISTING WATER TREATMENT AND NEW PIPING TO ENGINEER FOR APPROVAL.

Revisions		100% Submission		7/02/10	
Revisions		90% Submission		5/27/10	
Revisions		60% Submission		4/28/10	
Revisions		Date			

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CARDIOLOGY	DATE	ENGINEERING MANAGER	DATE
INFECTION CONTROL	DATE	CARELINE MANAGER	DATE
SAFETY OFFICER	DATE	CHIEF OF STAFF	DATE

Drawing Title		Project Title		Date	
MECHANICAL DETAILS (SHEET 5 OF 8)		RENOVATION OF BLDG #1, 2ND FLOOR, B-WARD		JULY 2, 2010 (UPDATED 10/07/10)	
MEDICAL CENTER DIRECTOR		Building Number		Station No.	
ASSOCIATE MEDICAL CENTER DIRECTOR		1		328	
DATE		Checked		09-352 MH-606	
DATE		Drawn		Office of Facilities	
Location		V.A.M.C. BAYVIEW, NEW YORK		Department of Veterans Affairs	