WATER TREATMENT SYSTEM - COOLING TOWER

STORAGE TANK NO. 1
CHILLED WATER SCALE AND CORROSION INHIBITOR

STORAGE TANK NO. 2
TOWER BIocide

STORAGE TANK NO. 3
TOWER SCALE AND CORROSION INHIBITOR

STORAGE TANK NO. 4
BROMINE FEEDER

CHEMICAL FEED PUMP NO. 1
CHEMICAL FEED PUMP NO. 2
CHEMICAL FEED PUMP NO. 3

REDUCED PRESSURE BACK FLOW PREVENTER
DCW See PLUMBING Dwg
MOULADATING LEVEL CONTROL VALVE
MAKE UP METER

PH TRANSMITTER
CONDUCTIVITY TRANSMITTER

CHEMICAL FEED CONTROLLER

CONDENSERS WATER SUPPLY (FROM TOWER)
SIDE STREAM SOLID SEPARATOR WITH PUMP

CONDENSERS PUMP TYP.

OPTIONAL SIDE STREAM SEPARATOR TYP.

CONDENSERS TYP.

CONDENSERS WATER RETURN (TO TOWER)

DESIGNERS NOTES:
1. DESIGN WATER TREATMENT SYSTEM BASED ON THE AVAILABLE WATER SAMPLE ANALYSIS AND RECOMMENDATIONS OF THE WATER TREATMENT CONSULTANT.
2. PROVIDE INTERFACE BETWEEN CHEMICAL FEED CONTROLLER AND ECC.
3. CHILLED WATER WATER TREATMENT SYSTEM SHALL BE OPERATED MANUALLY.
4. ADDITIONAL STORAGE TANKS AND FEED PUMPS MAY BE REQUIRED BASED ON THE OUTCOME OF THE WATER SAMPLE ANALYSIS.
5. ENSURE CLOSE COORDINATION BETWEEN THE CONTRACT SPECIFICATIONS AND DETAILS.

WATER LEVEL

TOWER

BLOW DOWN VALVE

FLOOR SINK

BLOW DOWN VALVE METER

SAMPLE

CONDENSER WATER RETURN (TO TOWER)

CONDENSER WATER RETURN HEADER

RELIEF BYPASS VALVE TYP.

DESIGNER: NONE

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