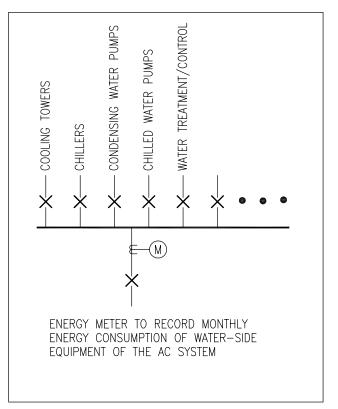


TYPICAL SCHEMATIC DIAGRAM OF FRESH WATER COOLING TOWERS CONDENSING WATER CIRCUIT



<u>NOTES</u>

- 1. COOLING TOWER WATER CIRCULATION SYSTEM PIPEWORK SHALL BE DESIGNED TO AVOID DEAD-LEG AND STAGNANT CORNERS. SIMPLE PIPEWORK DESIGN SHALL BE ADOPTED. IF THE EXISTENCE OF DEAD-LEG CANNOT BE AVOIDED, MITIGATION MEASURES FOR DEAD-LEG SHALL BE PROVIDED, SUCH AS INSTALLATION OF MANUAL/AUTOMATIC DRAIN VALVE FOR WEEKLY PURGING OF 15 MINUTES.
- 2. THE PIPEWORK OF THE SAMPLING TAP SHALL NOT BE EXCESSIVELY LONG AND SHALL BE POSITIONED AS CLOSE TO THE MAIN PIPE AS POSSIBLE SO AS TO AVOID THE PROBLEM OF DEAD LEG.
- 3. ISOLATION VALVES SHOULD BE INSTALLED FOR SYSTEM WITH MULTIPLE COOLING TOWERS TO FACILITATE CLEANSING AND DISINFECTION OF INDIVIDUAL COOLING TOWER.

REMARK

THIS TYPICAL SCHEMATIC DIAGRAM IS PREPARED AS A GENERAL REFERENCE ON PROPER PROVISION IN THE COOLING TOWER SYSTEM FOR EFFECTIVE OPERATION AND COMPLYING WITH COP(FWCT). THIS TYPICAL SCHEMATIC DRAWING IS FOR REFERENCE ONLY, THE DESIGNERS SHOULD EXERCISE PROFESSIONAL JUDGMENT TO MODIFY THE THIS DIAGRAM AS APPROPRIATE.