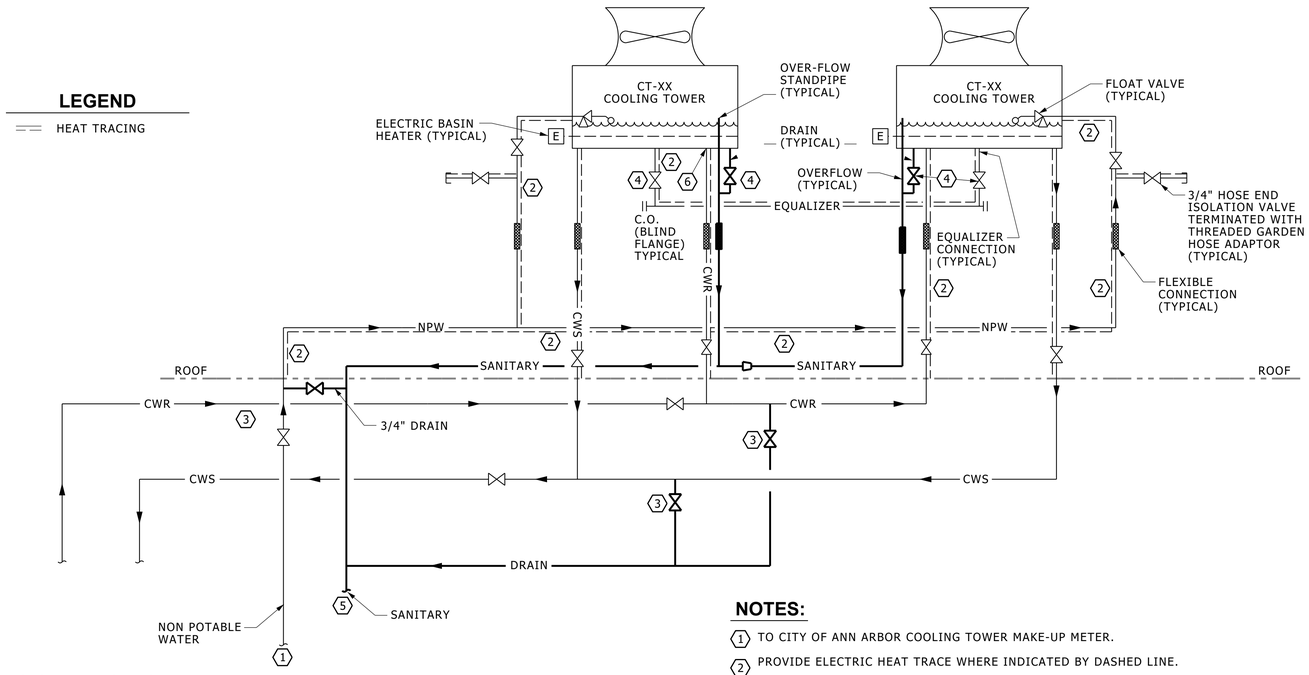

DESIGNER NOTES:

1. REVISE DETAIL TO MAKE IT PROJECT SPECIFIC, E.G. NUMBER OF TOWERS CELLS APPLICABLE TO PROJECT; REVISING OTHER PIPING ACCORDINGLY.
2. WHEN THE INTENT IS TO DRAIN THE CELLS DOWN IN WINTER, LOCATE NPW, CWS & CWR ISOLATION VALVES AND DRAINS SO THAT TOWERS CAN BE DRAINED TO A POINT JUST BELOW THE ROOF LINE. ASSURE VALVES BELOW ROOF ARE LOCATED IN AN EASILY ACCESSIBLE LOCATION. LOCATE VALVES ON PLAN VIEW IN CLOSE PROXIMITY TO ONE ANOTHER.
3. DETAIL SHOWS BASIN HEATERS AND HEAT TRACE TYPICAL FOR A TOWER OPERATING YEAR AROUND. REVIEW EXTENT REQUIRED FOR YOUR SPECIFIC PROJECT AND REVISE DETAIL ACCORDINGLY. TOWERS DRAINED SEASONALLY TYPICALLY DON'T REQUIRE BASIN HEATERS OR HEAT TRACING.
4. CONSIDER IF AN AUTOMATED VALVE IS REQUIRED ON THE CWR TO EACH TOWER FOR YOUR APPLICATION AND UPDATE DETAIL ACCORDINGLY.

NOTES:

1. TO CITY OF ANN ARBOR COOLING TOWER MAKE-UP METER.
2. PROVIDE ELECTRIC HEAT TRACE WHERE INDICATED BY DASHED LINE.
3. PITCH CWS AND CWR HEADER BACK TO HEADER ISOLATION VALVE. PROVIDE 3/4" MANUAL DRAIN ON HEADERS.
4. LOCATE VALVE IMMEDIATELY AT BASIN CONNECTION (TYPICAL).
5. TO CITY OF ANN ARBOR BLOW DOWN METER.
6. CONNECT TO COOLING TOWER HOT WATER BASIN DISTRIBUTION PIPING (TYPICAL).

COOLING TOWER SCHEMATIC

NO SCALE

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