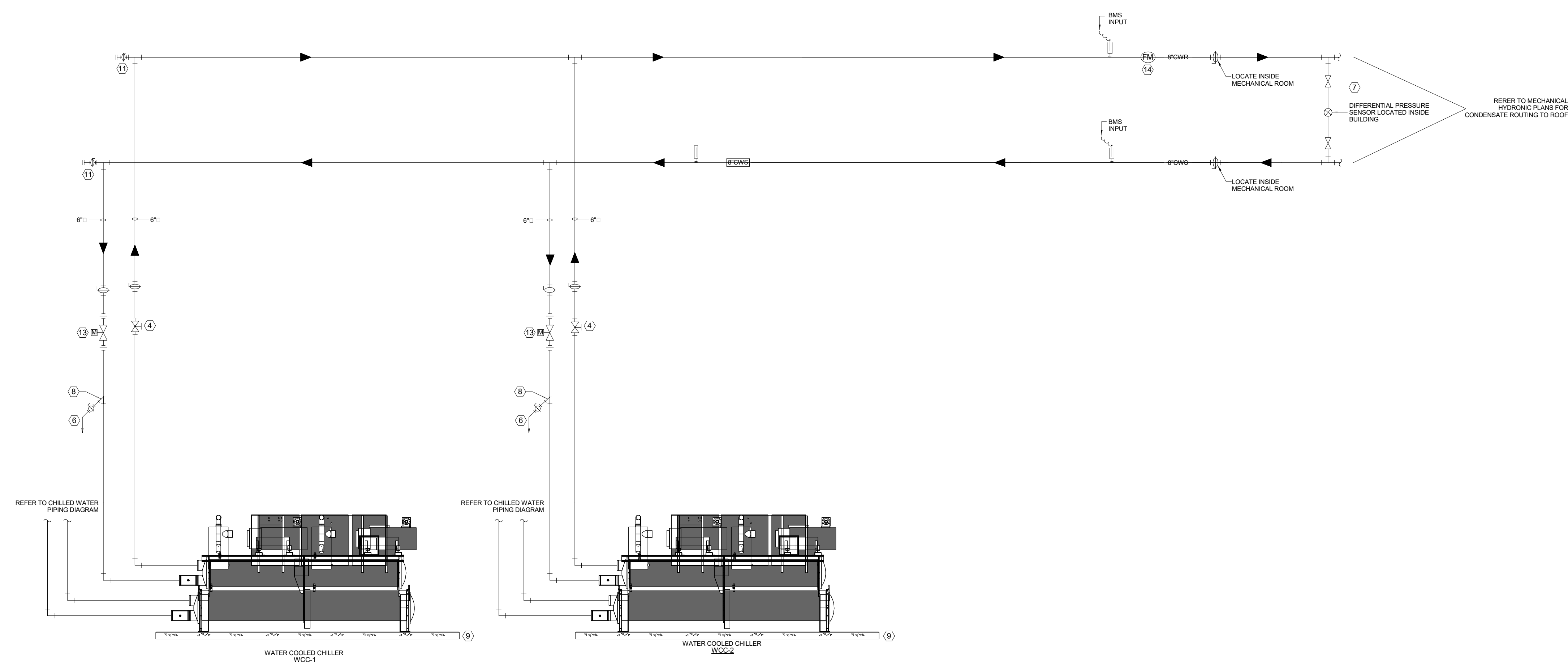
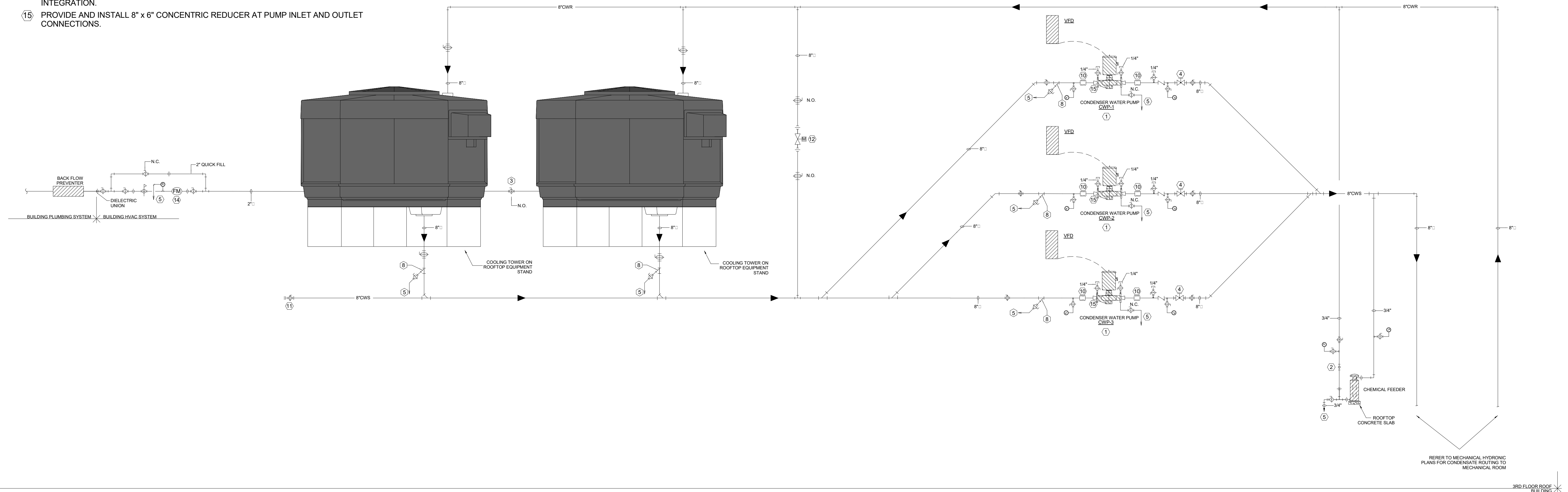


- ① VERTICAL LINE PUMP FOR COOLING TOWER. MOTOR TO BE VFD RATED.
- ② PROVIDE AN ERNEST GAUGE #E-57-3 BRONZE BODY SIGHT GLASS WITH S-3 SHUTT PLASTIC SPINNER AND DOUBLE WINDOW. OPERATING TEMPERATURE AND PRESSURE SHALL BE 200°F, 125 PSI MINIMUM.
- ③ PROVIDE 4" EQUALIZER LINE BETWEEN COOLING TOWERS BASIN. LINE TO INCLUDE ISOLATION VALVE.
- ④ TRIPLE DUTY VALVE TO BE PROVIDED WITH INFINITE POSITION CRANK OR MEMORY STOP FOR BALANCING SERVICE.
- ⑤ ROUTE TYPE "L" COPPER DRAIN AT FULL SIZE INDICATED TO NEAREST ROOF DRAIN.
- ⑥ ROUTE TYPE "L" COPPER DRAIN AT FULL SIZE INDICATED TO THE NEAREST FLOOR DRAIN.
- ⑦ PROVIDE DIFFERENTIAL PRESSURE TRANSDUCER.

- 8 PROVIDE INLINE STRAINER.
- 9 4" TALL HOUSEKEEPING PAD TO EXTEND A MINIMUM OF 6" AROUND UNIT.
- 10 PROVIDE FLEXIBLE CONNECTION.
- 11 NPT EMERGENCY CONNECTION ON PIPE HEADER FOR TEMPORARY FLUSHING OPERATIONS. CONNECTION TO INCLUDE ISOLATION VALVE WITH BLIND FLANGE WHEN NOT IN USE.
- 12 PROVIDE AND INSTALL 2-WAY MODULATING CONTROL VALVE ON COOLING TOWER WATER LINE.
- 13 MODULATING CONTROL VALVE SHALL BE SIZED FOR MINIMUM FLOW OF THE CHILLER. VERIFY WITH CHILLER MANUFACTURERS.
- 14 PROVIDE WATER METER WITH 0-10V SIGNAL FOR BMCS INTEGRATION.
- 15 PROVIDE AND INSTALL 8" x 6" CONCENTRIC REDUCER AT PUMP INLET AND OUTLET CONNECTIONS.



1 CONDENSER WATER PIPING DIAGRAM