

MECHANICAL KEYED NOTES

- 1

VERTICAL INLINE PUMP FOR CHILLER. MOTOR TO BE VFD RATED
- 2

VERTICAL INLINE PUMP INTEGRAL FOR BOILER. MOTOR TO BE VFD RATED.
- 3

PROVIDE AN ERNEST GAUGE #E-57-3 BRONZE BODY SIGHT GLASS WITH S.S. SHAFT, PLASTIC SPINNER AND DOUBLE WINDOW. OPERATING TEMPERATURE AND PRESSURE SHALL BE 200°F, 125 PSI MINIMUM.
- 4

PROVIDE BALL VALVE WITH HOSE THREAD ADAPTER AT FULL SIZE OR AT SIZE INDICATED.
- 5

TRIPLE DUTY VALVE TO BE PROVIDED WITH INFINITE POSITION CRANK OR MEMORY STOP FOR BALANCING SERVICE.
- 6

ROUTE TYPE "L" COPPER DRAIN AT FULL SIZE INDICATED TO 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 FLEX CONNECTION.
- 11

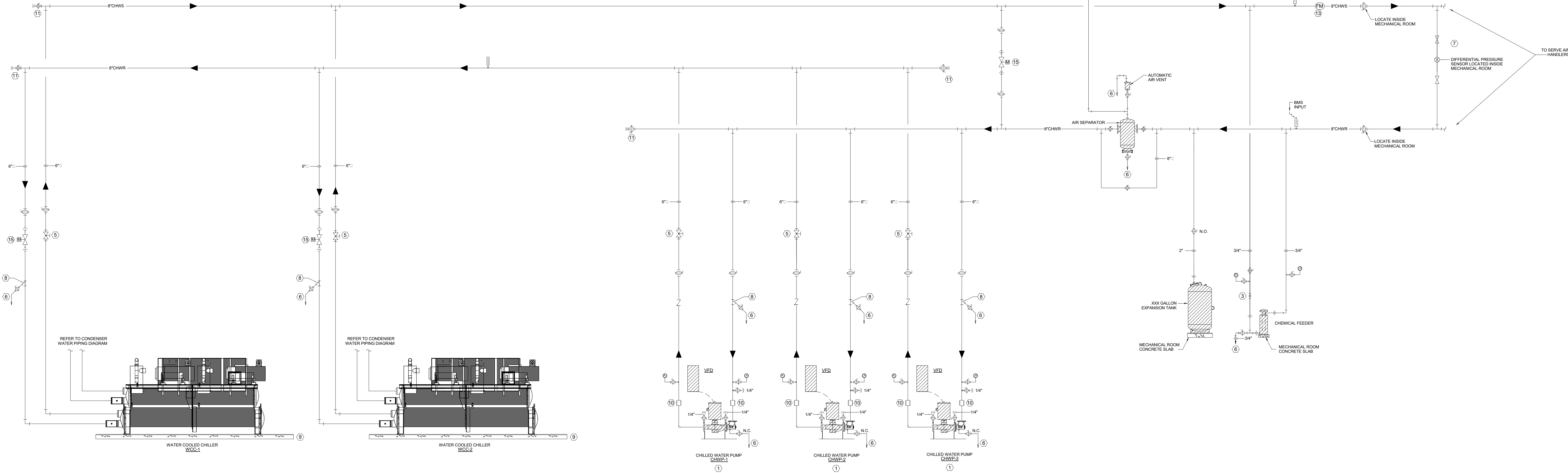
NPT EMERGENCY CONNECTION ON PIPE HEADER FOR TEMPORARY FLUSHING OPERATIONS. CONNECTION TO INCLUDE ISOLATION VALVE WITH BLIND FLANGE WHEN NOT IN USE.
- 12

ROUTE FULL SIZE CPVC PIPING FROM BOILER TO ACID NEUTRALIZATION BASIN AND FROM BASIN TO FLOOR DRAIN.
- 13

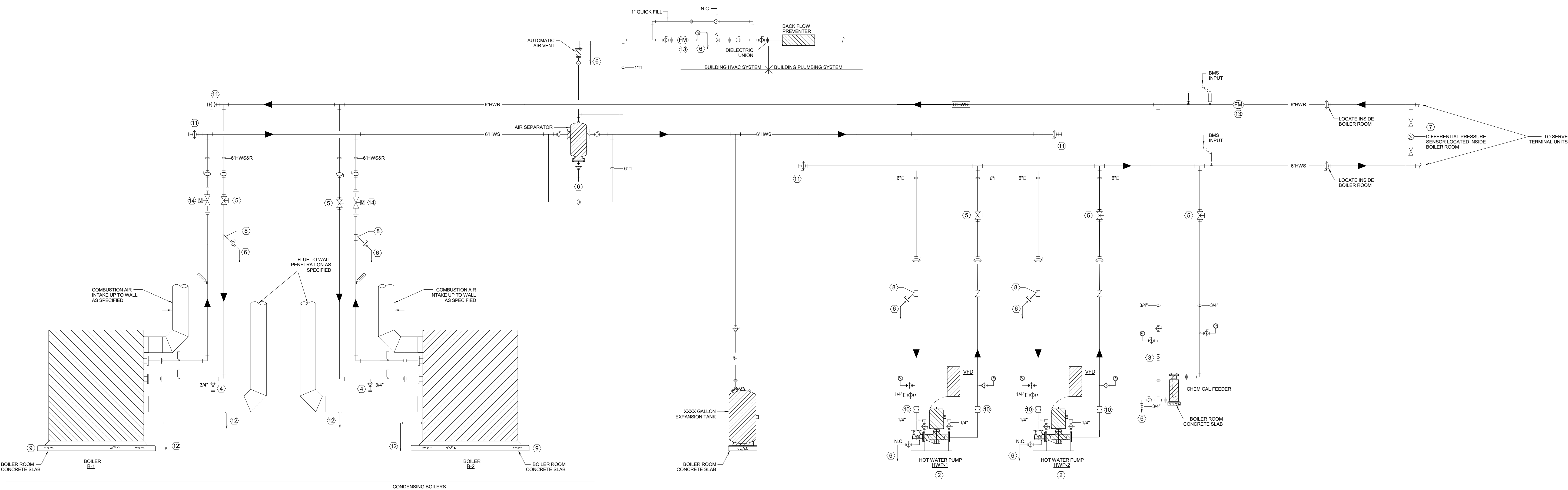
PROVIDE WATER METER WITH 0-10V SIGNAL FOR BMCS INTEGRATION.
- 14

MODULATING CONTROL VALVE SHALL BE SIZED FOR MINIMUM FLOW OF THE BOILER. VERIFY WITH BOILER MANUFACTURERS.
- 15

MODULATING CONTROL VALVE SHALL BE SIZED FOR MINIMUM FLOW OF THE CHILLER. VERIFY WITH CHILLER MANUFACTURERS.



1 CHILLED WATER PIPING DIAGRAM  
SCALE: NONE



2 HOT WATER PIPING DIAGRAM  
SCALE: NONE