



UNIVERSITY OF PENNSYLVANIA
FACILITIES SERVICES
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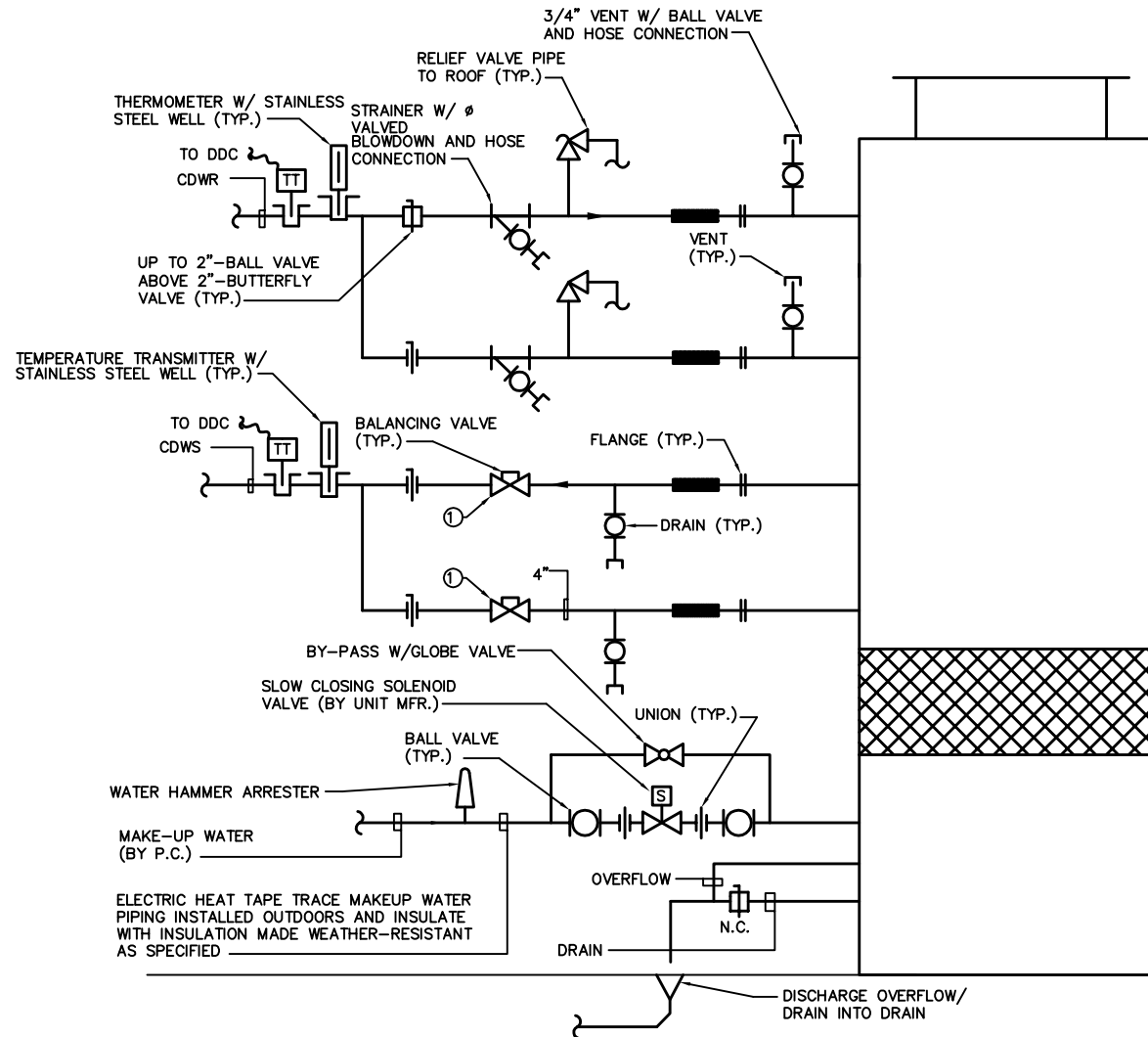
MASTER DETAIL
HVAC DEPARTMENT

TITLE CLOSED CIRCUIT
EVAPORATIVE COOLER PIPING
DIAGRAM

DATE
08-01-12

REV DATE

FILE NO.



① UP TO 16" - PROVIDE CALIBRATED BALANCING VALVE
18" & LARGER - PROVIDE ECCENTRIC PLUG VALVE WITH
MEMORY STOP & VALVE PORTS

② PROVIDE INSULATION AND FREEZE PROTECTION
OF COOLER AND PIPING



CLOSED CIRCUIT EVAPORATIVE COOLER PIPING DIAGRAM

SCALE: NTS