

Heat Exchanger Notes

Keynotes on drawing

- INSTALLATION OF HEAT EXCHANGERS, CONTROL VALVES, STEAM TRAPS AND ASSOCIATED PIPING SHALL BE ARRANGED TO ALLOW ACCESS TO EACH COMPONENT. ACTUAL INSTALLATION MAY VARY FROM THAT SHOWN, AS LONG AS THE INDICATED ACCESS IS PROVIDED. ALL ACCESS SHALL BE UNOBSTRUCTED.
- OVERALL DIMENSIONS SHOWN ARE FOR PLANNING REFERENCE ONLY.
- LP STEAM SUPPLY TO HEAT EXCHANGER SHALL CONSIST OF $\frac{1}{2}$ - $\frac{3}{4}$ CONTROL VALVE ARRANGEMENT.
- EACH CONTROL VALVE SHALL BE PROVIDED WITH FULL SIZE ISOLATION VALVES, STRAINERS AND ECCENTRIC REDUCERS. PROVIDE UNIONS ON BOTH SIDES OF CONTROL VALVE AS SHOWN.
- EACH STEAM TRAP SHALL BE PROVIDED WITH ISOLATION VALVES, STRAINER, UNIONS (2) AND CHECK VALVE.
- UNIONS SHALL BE INSTALLED ON THE EQUIPMENT SIDE OF THE ISOLATION VALVE.
- HEAT EXCHANGERS CAST IRON HEADS SHALL HAVE AN INTEGRAL FLANGE FOR CONNECTIONS 4" AND LARGER.
- HOT WATER ISOLATION VALVES SHALL BE LOCATED 12" ABOVE THE TUBE BUNDLE CONNECTION.
- MIN. ELEVATION REQUIRED TO ALLOW GRAVITY DRAINAGE TO THE CONDENSATE RECEIVER.
- PROVIDE 3'-0" CLEAR AND UNOBSTRUCTED SPACE TO ACCESS HEAT EXCHANGER COMPONENTS.
- MIN. COIL PULL SPACE IS EQUAL TO THE COIL LENGTH
- PROVIDE INSTRUMENTATION AS SHOWN ON THE P&ID DIAGRAMS.
- DO NOT INSULATE OVER ASME TAG.
- TURN STEAM STRAINERS ON THEIR SIDE TO MINIMIZE TRAPPED WATER.
- PROVIDE 1"Ø BALL VALVES ON HWS & HWR FOR COIL FLUSH.

REMARKS

12/20/2017

DWN BY LS CKD BY:

CAMPUS WIDE
HEAT EXCHANGER DETAILS

MAINTENANCE
CAMPUS FACILITIES
UNIVERSITY OF MISSOURI-COLUMBIA

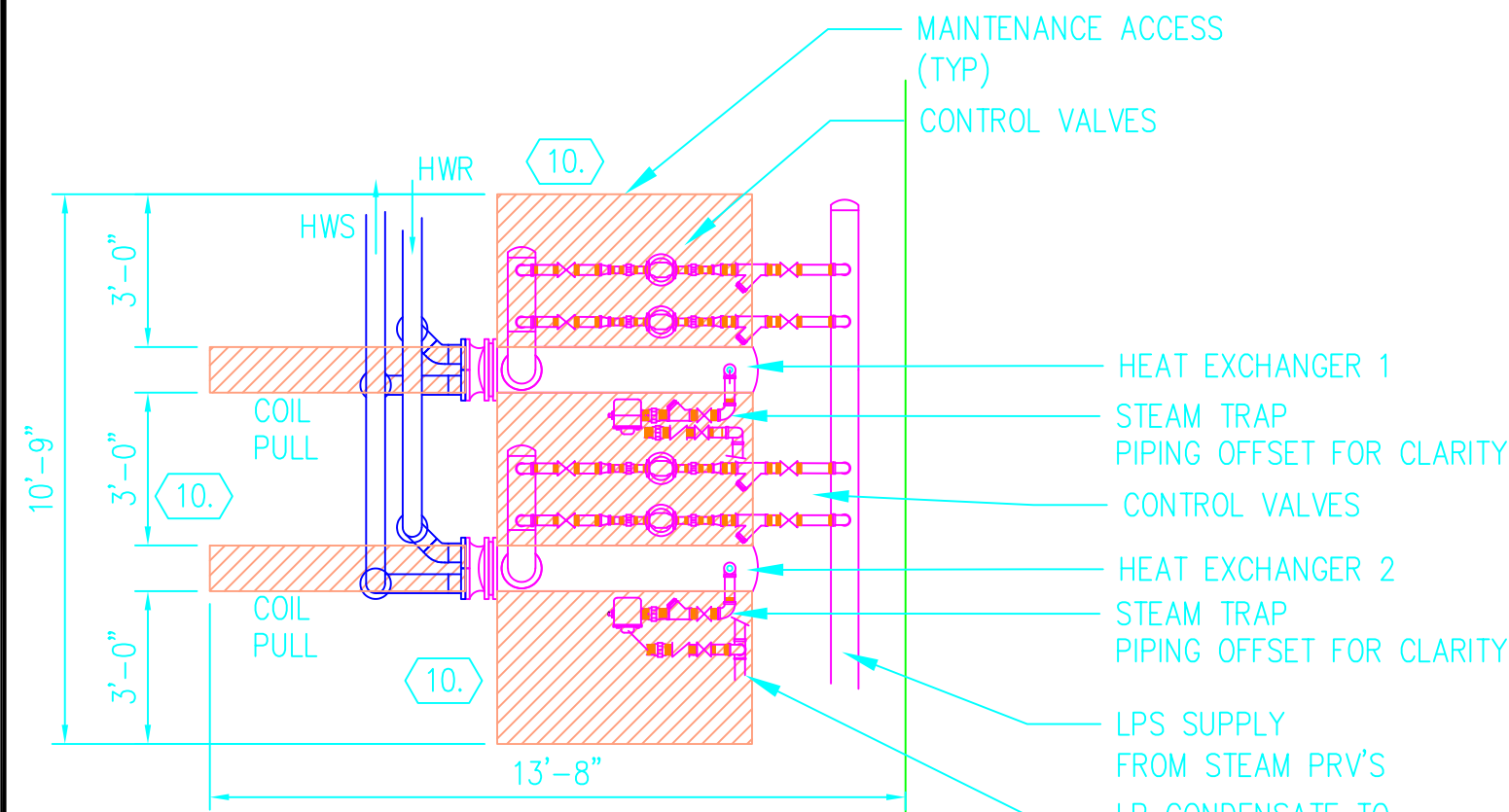


PROJECT NUMBER

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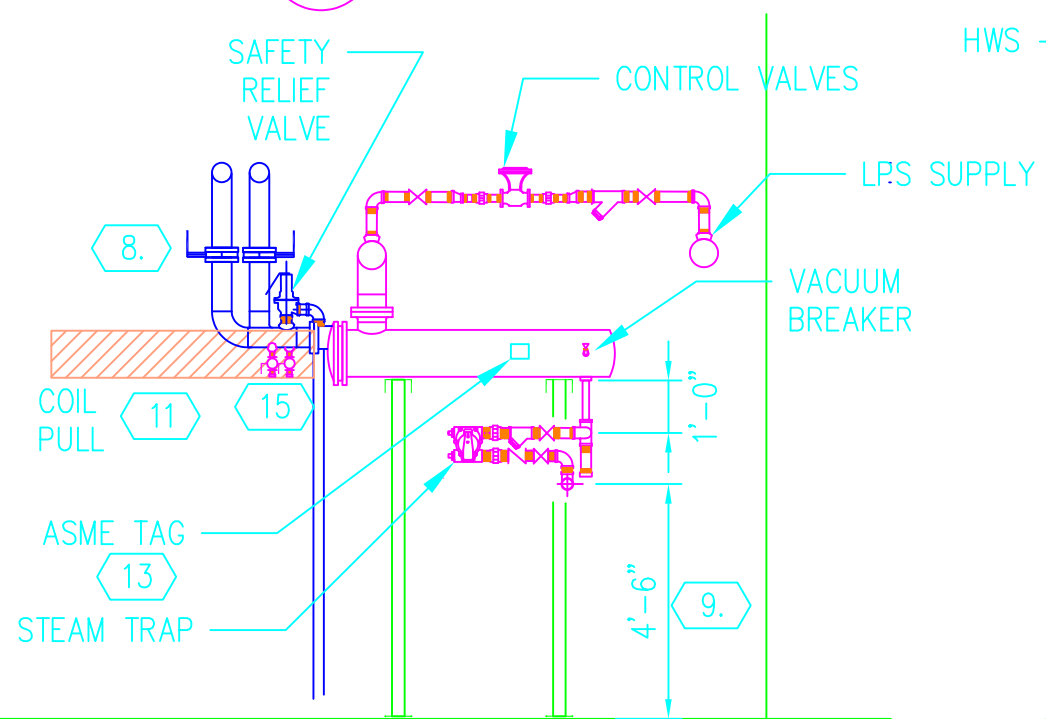
SHEET

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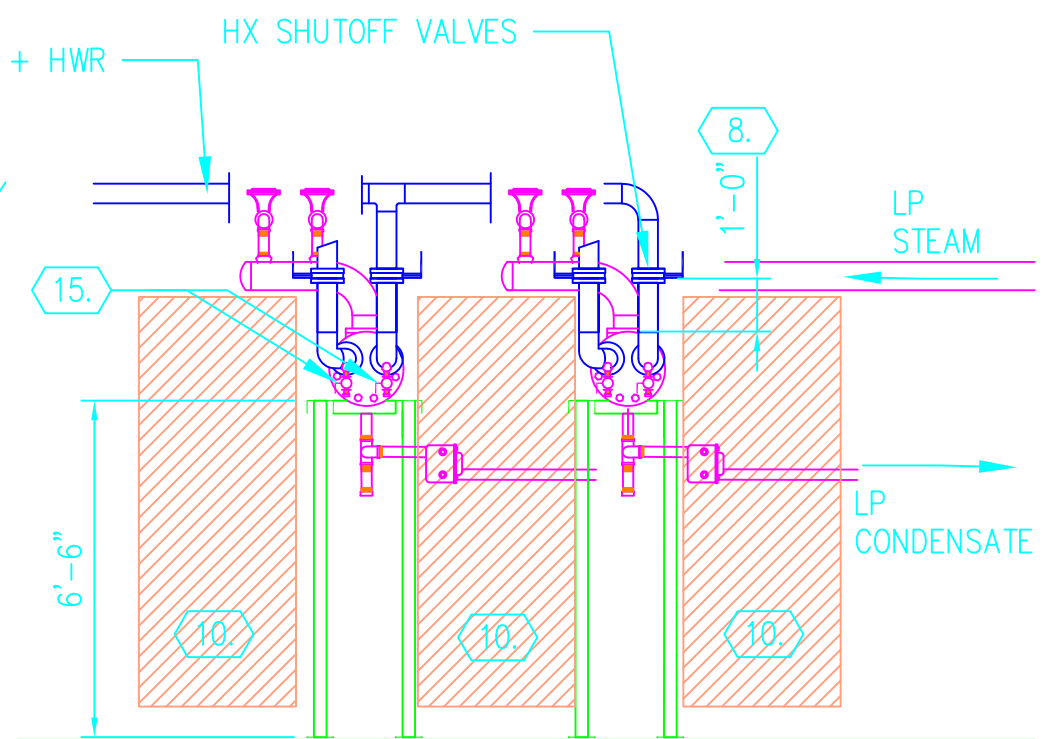
PLAN VIEW
HEAT EXCHANGERS

SCALE: 1/4" = 1'-0"



SIDE ELEV
HEAT EXCHANGERS

SCALE: 1/4" = 1'-0"



FRONT ELEV.
HEAT EXCHANGERS

SCALE: 1/4" = 1'-0"