

NOTES:
 BUILDING CONTROL VALVE AND BYPASS CONTROL VALVE SHALL WORK TOGETHER TO MAINTAIN 16F TEMPERATURE DIFFERENTIAL OR GREATER BETWEEN CAMPUS CHW SUPPLY TO BUILDING AND CHW RETURN SENT BACK TO CAMPUS SYSTEM.
 BUILDING CONTROL VALVES CAN ALSO BE USED FOR BUILDING PURGE.

BUILDING CONTROL VALVE REQUIREMENTS:
 - 150 PSI CLOSE-OFF PRESSURE
 - OPERATE WITH 100 PSI DIFFERENTIAL PRESSURE
 - RATED FOR 250 PSI
 ALL SYSTEM COMPONENTS SHALL BE RATED FOR 250 PSI.
 PUMPS, CONTROL VALVE SIZING, AND CONTROL SEQUENCING SHALL BE REVIEWED AND APPROVED BY LCPPD PRIOR TO FINAL DESIGN.

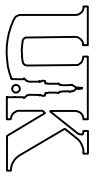
NOTE: ALL SENSORS, PUMPS, AND CONTROL VALVES SHALL REPORT TO CENTRAL CONTROL.

NOTE: ALL STRAINERS OVER 1" SHALL HAVE BLOW DOWN VALVE

NOTE: PLACE TEMPERATURE SENSOR AS CLOSE TO COMBINED LOAD AS POSSIBLE.

NOTE: CONTROL VALVES SHOULD FAIL NORMALLY OPEN.

NOTE: DRAIN FROM CHW COIL SHALL BE FROM LOWEST POINT IN COIL FOR WINTER FREEZE PROTECTION. PITCH COIL FOR COMPLETE DRAINAGE OF ALL TUBES AND HEADERS



UNIVERSITY OF KENTUCKY DESIGN & CONSTRUCTION STANDARDS

DRAWN BY <u>EHD</u> APP. BY <u>JWZ/WTR</u> DATE <u>5/1/96</u>	REVISION	DATE	TITLE : SECONDARY CHILLED WATER PUMPING WITH RETURN CHILLED WATER TEMPERATURE CONTROL FOR CAMPUS BUILDINGS	DRAWING NO. 15541D01
	JWZ	3/99		
	EHD	4/06		