

Project:

Planning, Design & Construction Campus Facilities

117 General Services Building Columbia, MO 65211-3200

PHONE (573) 882-1133 FAX (573) 882-1175 **Date:**

Chilled Water Piping Construction Checklist

Date:				
Building:				
Location:				
Submittal / Approval	S			
testing. The checklist knowledge of the even checklist is submitted to A Statement of Correct	items are comp t, as marked be for approval, su tion will be sub	plete and have be elow, respective abject to an attact mitted upon com	ral to them are complete and ready to them are complete and ready to een checked off only by parties have to each responsible contractor. This hed list of outstanding items yet to be appletion of any outstanding areas. Note that tests being performed. List	ing direct is construction be completed.
Mechanical Contractor		Date	Controls Contractor	Date
		_		
Electrical Contractor		Date		
TAB Contractor		Date	General Contractor	Date
 functional testing. This checklist does procedures or reported in the form is not used. Contractors assign 	s not take the port. sed for docume led responsibili	lace of the manuenting, one of singlety for sections of	art of startup and initial checkout, polarisaturer's recommended checkout anilar rigor shall be used. If the checklist shall be responsible to sted and checked off.	and startup
Approvals. This filled noted bel		nas been reviewe	ed. Its completion is approved with	the exceptions
Commissioning A	Authority	Date	Owner's Representative	Date



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	Ass	ociated Checl	klists	<u> </u>		
Chiller	☐ Heat Exc	changer			BAS	
Chilled Water Pump(s)	Other			Other		
Comments:						
Requested docu	mentation submit	ted	R	ec'd	Comment	ts
Manufacturer's cut sheets						
Performance data (pump curv	es, coil data, etc.)					
Installation and startup manua	ıl and plan					
O&M manuals						
Sequences and control strateg	gies					
Flushing and cleaning plan						
Leak test reports						
Water treatment report						
Welder Certification						
Comments:						
		stallation Che	cks			
Check if Acceptable; Provide comment if unacceptable				NA	Comment	İ
		Piping				
Piping installed per the drawings a						
Piping, fittings, valves and equipm seismically anchored per the deta	nent properly supporterils	ed and				
Piping, fittings and valves insulate						
In-line equipment insulated per sp						
Piping labeled per specification with flows indicated in the correct direction					-	
Strainers and low-point drains ope	ened and verified to b	e clean				
Construction strainers removed						



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Installation Che	cks		
Check if Acceptable; Provide comment if unacceptable		NA	Comment
Test plugs (P/T) installed near all control sensors and as per spec			
Flushing and cleaning plan submitted and approved			
Piping system properly flushed and cleaned and temporary piping removed			
Piping pressure tested according to contract documents			
Chemical treatment system or plan installed			
No leaking apparent			
ASME pressure vessel data sheet or certification tag posted and inspection complete for each expansion tank			
Expansion tanks verified to not be air bound and system completely full of water. System completed purged of air			
Air vents and bleeds at high points of systems functional			
Valves		•	
Isolation valves provided at all branches and main takeoffs to facilitate isolation (as required by contract)			
Valve installation per manufacturer's instructions			
Valve manufacturer labels permanently affixed			
Manual isolation valves checked for proper seal and found to travel freely			
Valves installed in proper direction			
Valves stroke fully and easily and spanning is calibrated (see calibration section below)			
Valves that require a positive shut-off are verified to not be leaking when closed at normal operating pressure			
No leaking apparent			
Valves tagged and valve schedule submitted and displayed as required			
Adequate maintenance clearance in provided and valve is accessible			
Sensors and Gag	ges		
Temperature, pressure and flow gages and sensors installed			
Piping gages, BAS and associated panel temperature and pressure readouts match			
TAB			
Installation of system and balancing devices allowed balancing to be completed following specified NEBB or AABC procedures and contract documents			

Sensor and Actuator Calibration



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Date:

months: Y/N Senso calibrated.	ors installed <i>in</i> the u	unit at the factory	with calibration certificati	on provided need not b	pe field	
Sensor or Actuator Tag & Location	Location OK	1 st Gage or BAS Value	Instrument Measured Value	Final Gage or BAS Value	Pass Y/N	
Comments:						
Fill out all form fields k	pefore signing!					
Jame Organiza		Т	itle	Signature		
Unive	rsity of Missour	i Commissionin	g Authority			