Prefunctional Checklist

	PC	CONDENSE	ER WATER PIPING						
	Components Inc	luded: All valves, ex	ccept coil valves						
Associated checklists: Chiller, Cooling Tower, CHW Piping, CHW & CDW Pumps									
1. Su	bmittal / Approva	ls							
checklist marked l subject t upon con	t items are complete and below, respective to ea o an attached list of ou	nd have been checked ach responsible contract atstanding items yet to anding areas. None of the	ral to them are complete and ready for for for for the off only by parties having direct knowle tor. This prefunctional checklist is subsequently and the completed. A Statement of Correction the outstanding items preclude safe and	edge of the event, as smitted for approval, ion will be submitted					
Mechanica	al Contractor	Date	Controls Contractor	Date					
Electrical Contractor TAB Contractor		Date	Sheet Metal Contractor	Date					
		Date	General Contractor	Date					
 This Items If thi Cont subcomposition "Corr component contraction 	checklist does not take to see that do not apply shall as form is not used for does according assigned responsion tractors are completed atr." column or abbreviate pletion of this item. A/E ractor, EC = electrical corrector, TAB = test and be	he place of the manufact be noted with the reason cumenting, one of similar ibility for sections of the and checked off. ions in brackets to the ri = architect/engineer, A ontractor, GC = general of alance contractor,	of startup & initial checkout, preparatory to surer's recommended checkout and startup is on this form (N/A = not applicable, BO = ar rigor shall be used. The checklist shall be responsible to see that clean contractor responsible all contractors, CA = commissioning a contractor, MC = mechanical contractor, See	procedures or report. by others). hecklist items by their nsible to verify gent, CC = controls SC = sheet metal					
	oning Agent	Date	Owner's Representative	Date					
2. Re	quested docume	ntation submitted							
Notes:									

Check if Okay. Enter comment or note number if deficient.

Check	Y/N	Contr.
Manufacturer's cut sheets		
Performance data		
Flushing and cleaning plan		
O&M manuals		

•	Documentation complete a	per contract documents for given trade	YES	NC
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3. Physical Installation Checks

Check if Okay. Enter comment or note number if deficient.

Check if Okay. Enter comme. Check	Y/N	Contr.	Note
Piping			
Pipe fittings complete and pipes properly supported			
Required seismic anchoring installed			
Pipes properly labeled			
Pipes properly insulated			
Strainers in place and clean			
Isolation valves and balancing valves installed			
Test ports (P/T) installed near all control sensors and as per spec			
Flushing and cleaning plan submitted and approved (Minimum flushing velocity in all pipe sections is the greater of 4 ft. per second, or 1.5 times the velocity at design flow)			
Piping system properly flushed and cleaned and temporary piping removed (report attached)			
10% of strainers and Owner-selected low-point drains opened and witnessed by Owner to be clean. (List points checked below).			
Piping pressure tested according to contract documents (report attached)			
Chemical treatment system or plan installed			
Water treatment report submitted according to contract documents			
No leaking apparent around fittings			
ASME pressue 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 (except coil valve checklists are with the unit checklist)			
Valve labels permanently affixed			
Valves installed in proper direction			

Notes:

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	Check								Y/N	Contr.	Note	
N	o leaks											
	Valves stroke fully and easily and spanning is calibrated (see calibration section below)											
at	Valves that require a positive shut-off are verified to not be leaking when closed at normal operating pressure per "Calibration and Leak-by Test Procedures" document.											
S	ensors and	Gages						I				
	emperature,		and flow ga	ges and s	ensors in	sta	ılled					
	Piping gages, BAS and chiller panel temperature and pressure readouts match (see calibration section below)							natch				
т,	AB											
							ncing to be comp act documents	oleted				
• The	checklist	items o	f Part 3 a	are all si	uccess	fu	lly completed	l for gi	ven tra	de \	/ES	NO
All field- valves) of Test Proc	n this piece edures docu	nperature, of equipm nment. All	relative hu ent shall be l test instru	midity, CO e calibrated ments shall	O, CO ₂ and using the large description of th	he ad	pressure sensors methods and tole a certified calibra ication provided	rances g ation wit	iven in t hin the la	he Calibrat ast 12 mon	tion and Leaths: Y/N	
Sensor o Actuator & Location	& ation	1st Gage or BAS Value	Instr. Meas'd Value	Final Gage or BAS Value	Pass Y/N?		Sensor & Location	Loc- ation OK	1st Gage or BAS Value			Pass
Location	- OIX	value	Value	Value	1714.		Location	OIX	Value	Value	Value	1714.
instrumer	nt. Visual =	actual obs	ervation. T	he Contra	ctor's ow	n s	t. BAS = buildin sensor check-out dures are followe	sheets n				e, if
	· ·				•		ances			YE	s N	0
				EN	ND OF	Cŀ	IECKLIST					
						•						
Notes:												

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