

Job Na	ame			Job 1	Number	r
Job Ac	ldress					
Section	n 5: Equipment Descripti	ion				
Spec.	#:	Submittal #:	P&ID / Dwg #:			
Area	Served:					
Chille	r Type: Reciprocating	Rotary Screw	Centrifugal Other:			
Data		Design	Actual On Site			
Unit T	ag#					
Manuf						
Mod					·····	
Seria	al#					
Section	n 6: Equipment Pre-Insta	allation Inspection				
Step	Inspection	on Description	Yes	No	N/A	Performed By (Initials & Date)
6.2	Nameplate data matches	vendor specifications.				
6.3	All parts are received.					
6.4	No visible signs of dama	ige, leak, or defective parts	s. 🗆			
6.5	Verify electrical service and thermal overload pro	for correct voltage, current otection.	nt 📗			
6.6	Operational and Mainter available in the field.	nance (O&M) manual is				
6.7	Start-up technicians reviewed factory start-up procedures in the O&M manual.					
Comme Observa Perform (Therm	Print med By na)	Name Sig	nature			Date
Review	r/Representatives)					



Reviewed By

(Owner/Representatives)

START-UP SHEET Chiller

Step	Inspection Description	Yes	No	N/A	Performed By (Initials & Date)
6.8	If Therma provided Variable Frequency Drives (VFDs) that are controlling the fans, complete FN 8.029.1 VFD start-up form.		40.3		
ection	7: Installation Inspection				
Step	Inspection Description	Yes	No	N/A	Performed By (Initials & Date
7.2	Unit is installed on flat foundation and level.				
7.3	Tag # is attached to the unit.				
7.4	Service clearance is adequate for maintenance.				
7.5	Controls are installed and tested.				
7.6	Valves are installed at inlet and outlet of evaporator and condenser water piping.				
7.7	Flow switches are installed in the chilled water and condenser water piping.				
7.8	Flow switches are set for minimum flow plus 10%.				
7.9	Pressure and temperature test ports are installed at inlet and outlet of the evaporator and condenser.				
7.10	Drain valves are installed to the evaporator and condenser.				
7.11	Vent valves are installed on the top of the evaporator and condenser.				
7.12	Water regulating valve is installed.				
7.13	Water treatment is provided.				

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Step	Inspection Description	Yes	No	N/A	Performed By (Initials & Date)
7.14	Water pressure relief valves are installed in the evaporator and condenser water piping.				
7.15	All condenser fan setscrews are tight.				
7.16	Electrical connections are secure.				
7.17	All access panels and covers are in place.				
7.18	Vibration isolators are installed and adjusted.				
7.19	All compressor shipping braces and compressor rail isolator sleeves are removed.				
7.20	Coils are clean and fins are straight.				
7.21	Crankcase heaters are installed.				
7.22	Compressor oil level is within manufacturer's specification.				
7.23	Low ambient control is installed.				
7.24	Relief valve type, setting, and capacity are correct.				
7.25	Chilled & condenser water supply outlet is proper size.				
7.26	Chilled & condenser water return inlet is proper size.				
7.27	Make-up water supply has proper shut-off and back flow device.				
7.28	Temperature and pressure gauges are installed.				
7.29	Make-up water pressure regulator is installed.				
7.30	Expansion tank is installed.				
7.31	Pressure & temperature test ports are provided.				
Commen Observa Perform (Therm:	Print Name Signatur med By na)	re			Date
Reviewo (Owner	ed By -/Representatives)				



Step	Ir	spection Description		Yes	No	N/A	Performed By (Initials & Date)
7.32	Air separation de	evice is properly installed.					
7.33	Pump(s) are insta	Pump(s) are installed.					
7.34	Pot feeder is inst	alled.					
7.35	System has been cleaned and treated.						
7.36	Isolation valves are installed.						
7.37	Water treatment	is installed.					
Section	n 8: Operational I	nspection					
Step	In	spection Description		Yes	No	N/A	Performed By (Initials & Date)
8.2	Unit vibration is	acceptable.					
8.3	Each fan rotation	is correct.					
8.4	Cooling compone specifications.	ents perform per manufacture	er's				
8.5	Crankcase heater	s are functional.					
8.6	Make sure thermostat is set.						
8.7	Record start up operating parameters below then use Supplementary Forms (FN8.028.2 or FN8.028.3) for additional data.						
Commer Observa		Secretary Edition Consideration Supplied Particles Secretaring Editional Sec					
Perforn (Therm		Print Name	Signatu	re]	Date
Review	<u> </u>						
(Owner	/Representatives)						



Record Start Up Operating Parameters

Data	Design	Actual On Site
Evaporator Pressure Drop		
Evaporate Flow (GPM)		
Data	Design	Actual On Site
Condenser Pressure Drop		
Condenser Flow (GPM)		
Chilled Water ΔT		

END OF SECTION

Comments/ Observations			
	Print Name	Signature	Date
Performed By (Therma)			
Reviewed By (Owner/Representatives)			