



START-UP SHEET Hydronic Piping

Job Name _____ **Job Number** _____

Job Address _____

Section 5: Equipment Description

Spec. #:	Submittal #:	P&ID / Dwg #:
Area Served:		

Service Type: **Chilled Water** ☐ **Heating Water** ☐ **Other:** _____
 Process Water ☐ **Condenser Water** ☐ _____

Section 6: Equipment Pre-Installation Inspection

Step	Inspection Description	Yes	No	N/A	Performed By (Initials & Date)
6.2	Nameplate data matches vendor specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.3	All parts are received.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.4	No visible signs of damage, leak, or defective parts.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.5	Operational and Maintenance (O&M) manual is available in the field.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.6	Start-up technicians reviewed factory start-up procedures in the O&M manual.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Section 7: Installation Inspection

Step	Inspection Description	Yes	No	N/A	Performed By (Initials & Date)
7.2	Piping is per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.3	Piping is labeled per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.4	Piping is installed level or to specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.5	Piping is insulated per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.6	Piping is supported per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Comments/
Observations** _____

**Performed By
(Therma)**

**Reviewed By
(Owner/Representatives)**

Print Name	Signature	Date



START-UP SHEET Hydronic Piping

Step	Inspection Description	Yes	No	N/A	Performed By (Initials & Date)
7.7	Piping is seismically restrained per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.8	Piping materials are per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.9	Piping of dissimilar materials has dielectric isolation per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.10	Piping has proper drains per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.11	Piping has proper vents per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.12	Piping has branch isolation valves per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.13	Piping has main isolation valves per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.14	Piping has undergone a hydrostatic pressure test per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.15	Piping has make up water regulator valve per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.16	Piping has fast fill regulator bypass per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.17	Piping has pressure relief valve per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.18	Pressure relief valve and vents are piped to relieve to an area specified.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.19	Piping is full of water.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.20	Piping is vented of air.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.21	Pressure and temperature gauges are installed per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.22	Piping has chemical pot feeder per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.23	Chemical pot feeder is installed per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.24	Chemical feed system is installed per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Comments/
Observations

Performed By
(Therma)

Reviewed By
(Owner/Representatives)

Print Name	Signature	Date



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Section 8: Operational Inspection

Step	Inspection Description	Yes	No	N/A	Performed By (Initials & Date)
8.2	Open all isolation bypass and controls valves.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.3	Set make up water pressure regulator valve to operating pressure setting per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.4	Open fast fill regulator to test pressure relief.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.5	Drain pressure to operating pressure setting.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.6	Start-up pumps (use start-up sheet FN 8.033.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.7	Piping vibration is acceptable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.8	Inspect all piping for leaks and repair as needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.9	Restart pumps.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.10	Scrub piping with soap per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.11	When scrub is complete open drain valve to sanitary drain (be sure make up regulator or fast fill is open) maintain system pressure while draining.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.12	Clean all strainers clear all blowdowns.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.13	Check make up water P.H. and T.D.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.14	Compare make up water P.H. and T.D.S. readings to pipe system readings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.15	Add water treatment per specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.16	Start-up chemical feed system per specifications and manufacturers recommendations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Comments/
Observations

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(Therma)

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START-UP SHEET Hydronic Piping

Water Treatment Use

Water Treatment Used	Amount	Initial Levels

End of Section

Comments/
Observations

Performed By
(Therma)

Reviewed By
(Owner/Representatives)

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