

**ATTACHMENT A: Valve Lineup Checklist**

<b>Attachment A – Valve Lineup Checklist</b>		
<b>Valve Name/Number</b>	<b>Description</b>	<b>Position</b>
HV-CH1-21	Chiller 1 Chilled Water Supply Isolation Valve	OPEN
HV-CH1-22	Chiller 1 Chilled Water Return Isolation Valve	OPEN
HV-CH2-21	Chiller 2 Chilled Water Supply Isolation Valve	OPEN
HV-CH2-22	Chiller 2 Chilled Water Return Isolation Valve	OPEN
HV-CH3-21	Chiller 3 Chilled Water Supply Isolation Valve	OPEN
HV-CH3-22	Chiller 3 Chilled Water Return Isolation Valve	OPEN
HV-CHW-80	Chilled Water Return Header Future Isolation Valve	CLOSED
HV-CHW-51	Chilled Water Supply Header Future Isolation Valve	CLOSED
HV-CHW-32	Chilled Water Return Header Testing Valve 1	CLOSED
HV-CHW-52	Chilled Water Supply Header Chiller Isolation Valve	OPEN
HV-CHW-79	Chilled Water Supply Return Bypass Isolation Valve	OPEN
HV-CW-20	Chilled Water Makeup Water Upstream Valve	OPEN
HV-CW-23	Chilled Water Makeup Water Downstream Valve	OPEN
HV-CW-24	Chilled Water Makeup Water Bypass Valve	CLOSED
HV-CHW-53	Chilled Water Supply Coupon Rack Isolation Valve	OPEN
HV-CHW-78	Chilled Water Return Coupon Rack Isolation Valve	OPEN
	Coupon Rack Drain Valve	CLOSED
HV-CHW-54	Chilled Water Supply Header PT Isolation Valve	OPEN
HV-CHW-55	Chilled Water Supply Header Air Separator AS-1 Isolation Valve	OPEN
HV-AS1-15	Chilled Water Supply to Air Separator AS-1 Isolation Valve	OPEN
HV-AS1-16	Air Separator AS-1 Vent Isolation Valve	OPEN
HV-AS1-17	Air Separator AS-1 Chilled Water Return Valve	OPEN
HV-AS1-18	Air Separator AS-1 Floor Drain Valve	CLOSED

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HV-AS1-19	Air Separator AS-1 Vent Valve	OPEN
HV-ET1-20	Vertical Expansion Tank ET-1 Isolation Valve	OPEN
HV-ET1-19	Vertical Expansion Tank ET-1 Vent Valve	OPEN
HV-CHW-56	Chilled Water Supply Header Balancing Cock Isolation Valve	OPEN
HV-CHW-57	Air Separator AS-1 to Chilled Water Header Isolation Valve	OPEN
HV-CHW-58	Chilled Water Pump Supply Header Future Isolation Valve	CLOSED
HV-CHWP1-11	Chilled Water Pump #1 Suction Isolation Valve	OPEN
HV-CHWP1-12	Chilled Water Pump #1 Strainer Drain Valve	CLOSED
HV-CHWP1-13	Chilled Water Pump #1 Suction Root Valve	OPEN
HV-CHWP1-14	Chilled Water Pump #1 Discharge Root Valve	OPEN
HV-CHWP1-16	Chilled Water Pump #1 Discharge Isolation Valve	OPEN
HV-CHWP2-11	Chilled Water Pump #2 Suction Isolation Valve	OPEN
HV-CHWP2-12	Chilled Water Pump #2 Strainer Drain Valve	CLOSED
HV-CHWP2-13	Chilled Water Pump #2 Suction Root Valve	OPEN
HV-CHWP2-14	Chilled Water Pump #2 Discharge Root Valve	OPEN
HV-CHWP2-16	Chilled Water Pump #2 Discharge Isolation Valve	OPEN
HV-CHWP3-11	Chilled Water Pump #3 Suction Isolation Valve	OPEN
HV-CHWP3-12	Chilled Water Pump #3 Strainer Drain Valve	CLOSED
HV-CHWP3-13	Chilled Water Pump #3 Suction Root Valve	OPEN
HV-CHWP3-14	Chilled Water Pump #3 Discharge Root Valve	OPEN
HV-CHWP3-16	Chilled Water Pump #3 Discharge Isolation Valve	OPEN
HV-CHW-61	Chilled Water Pump Supply Header Future Isolation Valve	CLOSED
HV-CHW-62	Chilled Water Supply Header Testing Valve 2	CLOSED
HV-CHW-63	Chilled Water Supply Diff Pressure Root Valve	OPEN
HV-CHW-77	Chilled Water Return Diff Pressure Root Valve	OPEN
HV-CHW-64	Chilled Water Supply Chemical Feeder Oneshot Isolation Valve	OPEN

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HV-CHW-76	Chilled Water Return Chemical Feeder Oneshot Isolation Valve	OPEN
	Chilled Water Supply to Chemical Feeder Oneshot Isolation Valve	CLOSED
	Chemical Feeder Oneshot Drain Valve	CLOSED
	Chilled Water Return from Chemical Feeder Oneshot Isolation Valve	CLOSED
HV-CHW-65	Chilled Water Supply Plant Isolation Valve	OPEN
HV-CHW-66	Chilled Water Supply Plant Equipment Cooling Isolation Valve	OPEN
HV-CHW-75	Chilled Water Return Plant Equipment Cooling Isolation Valve	OPEN
HV-CHWP4-12	Chilled Water Pump #4 Suction Isolation Valve	OPEN
CK-CHWP4-13	Chilled Water Pump #4 Discharge Triple Duty Valve	OPEN
HV-CHWP4-14	Chilled Water Pump #4 Discharge Isolation Valve	OPEN
HV-CHWP4-15	Chilled Water Pump #4 Bypass Up Valve	OPEN
HV-CHWP4-16	Chilled Water Pump #4 Bypass Down Valve	OPEN
	Ourway East Chilled Water Supply Expansion Valve	CLOSED
HV-CHW-67	Ourway West Chilled Water Supply Expansion Valve	CLOSED
HV-CHW-68	Locust St. West Chilled Water Supply Expansion Valve	CLOSED
HV-CHW-71	Locust St. West Chilled Water Return Expansion Valve	CLOSED
HV-CHW-72	Ourway West Chilled Water Return Expansion Valve	CLOSED
HV-CHW-73	Ourway East Chilled Water Return Expansion Valve Return	CLOSED
HV-CHW-69	Heat Exchanger Chilled Water Supply Isolation Valve	OPEN
HV-CHW-70	Heat Exchanger Chilled Water Supply Isolation Valve	OPEN

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HV-HX1-01	Heat Exchanger #1 Primary Chilled Water Supply Isolation Valve	OPEN
HV-HX1-02	Heat Exchanger #1 Secondary Chilled Water Supply Isolation Valve	OPEN
HV-HX1-03	Heat Exchanger #1 Secondary Chilled Water Return Isolation Valve	OPEN
HV-HX1-04	Heat Exchanger #1 Primary Chilled Water Return Isolation Valve	OPEN
HV-HX2-01	Heat Exchanger #2 Primary Chilled Water Supply Isolation Valve	OPEN
HV-HX2-02	Heat Exchanger #2 Secondary Chilled Water Supply Isolation Valve	OPEN
HV-HX2-03	Heat Exchanger #2 Secondary Chilled Water Return Isolation Valve	OPEN
HV-HX2-04	Heat Exchanger #2 Primary Chilled Water Return Isolation Valve	OPEN
HV-HX3-01	Heat Exchanger #3 Primary Chilled Water Supply Isolation Valve	OPEN
HV-HX3-02	Heat Exchanger #3 Secondary Chilled Water Supply Isolation Valve	OPEN
HV-HX3-03	Heat Exchanger #3 Secondary Chilled Water Return Isolation Valve	OPEN
HV-HX3-04	Heat Exchanger #3 Primary Chilled Water Return Isolation Valve	OPEN