


Developed by	Reviewed by	Revised by
RA	RA	

Description: Cooling Tower		Equipment #: CT-1	
Building: South Chilled Water Plant	Area: Roof	Rev: 0	Date: N/A
		Origin Date: 12/18/2017	

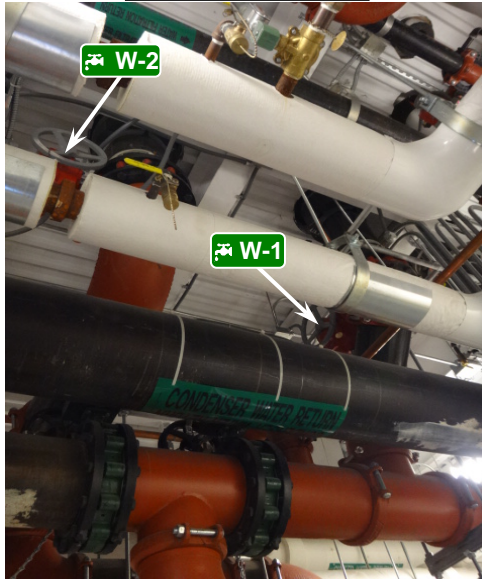
<h3>9</h3>  <h3>Isolation Points to be Locked and Tagged</h3>	<b>NOTE</b>
	This machine shares disconnects and removes sources from other equipment.

## Safety Is Your Responsibility!

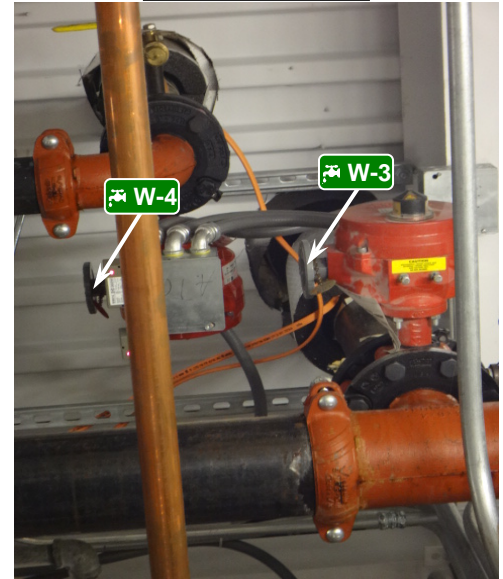
**East Side View**









**North Side View**



**East Side View**



### ALWAYS PERFORM A MACHINE STOP BEFORE LOCKING OUT DISCONNECTS

ID	Source	Device	Location	Method	Check
 E-1	<b>Electrical 480V</b>	Padlock	Isolation point on East side of unit.	Move electrical disconnect to off. Lock out.	Verify machine is deenergized.
 W-1	<b>Condenser Water Inlet - 40 PSI</b>	Cable device	Isolation point located below unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
 W-2	<b>Condenser Water Outlet - 40 PSI</b>	Cable device	Isolation point located below unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
 W-3	<b>Filtration Water Inlet - 100 PSI</b>	Gate valve device	Isolation point located below unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
 W-4	<b>Filtration Water Outlet - 100 PSI</b>	Gate valve device	Isolation point located below unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
	<b>Kinetic Energy 1800 RPM</b>		Be sure to wait until all moving parts have come to a complete stop. If necessary, use a block or chain to prevent equipment from moving while servicing.		



**OPENING A GUARD DOES NOT CONSTITUTE A LOCKOUT**  
ALWAYS VERIFY DE-ENERGIZATION OF EXPOSED ELECTRICAL PARTS AND RESIDUAL CAPACITANCE


Any machine modifications must be shown in procedure.  
Contact EHS to update procedure: 603-646-1762



**LOCKOUT/TAGOUT PROCEDURE**  
**OSHA CFR 1910.147**

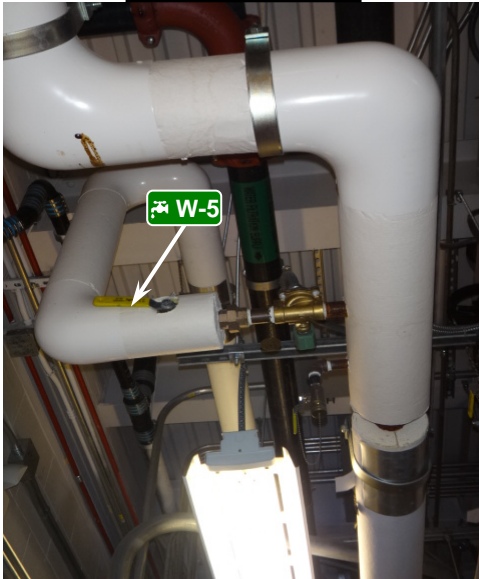
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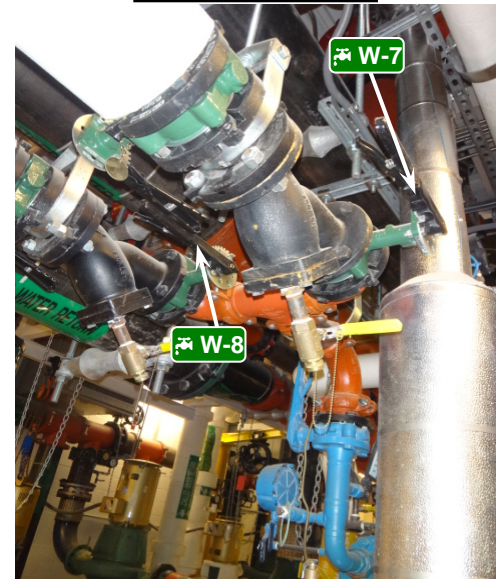
**West Side View**



**South Side View**



**North Side View**



**ALWAYS PERFORM A MACHINE STOP BEFORE LOCKING OUT DISCONNECTS**

ID	Source	Device	Location	Method	Check
W-5	City Water Inlet - 100 PSI	Cable device	Isolation point located below unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
W-6	Hot Water Inlet - 100 PSI	Cable device	Isolation point located below unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
W-7	Hot Water Outlet - 100 PSI	Cable device	Isolation point on East side of unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.
W-8	Hot Water Outlet - 100 PSI	Cable device	Isolation point on East side of unit.	Turn valve to closed position. Lock out.	Visually verify zero pressure status.



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