



BUILDING 174 DDC POINTS LIST																		
SYSTEM COMPONENT	POINT ID	SYSTEM OUTPUTS				SYSTEM INPUTS							SYSTEM SOFTWARE / CONTROL					
		DIGITAL	ANALOG		VALUE	DIGITAL	CURRENT	PRESSURE	FLOW	TEMPERATURE	HYDROGEN	PERCENT	CHLORINE	DATA (COMM LINE)	EQUIPMENT STATUS	LOW LIMIT	HIGH LIMIT	LEAD / LAG
POTABLE WATER CHLORINATION AND TANK RECIRCULATION																		
MIOX SKID 174-M-1																		
STATUS						X								X				
ALARM						X								X				
AUTO MODE						X								X				
HAND MODE						X								X				
OFF MODE						X								X				
LOW LEVEL SWITCH							X							X				
LOW LEVEL SWITCH							X							X				
CHEMICAL METERING PUMP 174-P-1														X				
ON/OFF														X				
START/STOP		X																X
SPEED			X															
HAND MODE							X							X				
AUTO MODE							X							X				
OFF MODE							X							X				
SPEED CONTROL MODE							X							X				
FLOW CONTROL MODE							X							X				
SPEED INDICATION																		
FLOW							X											
ALARM							X							X				
CHEMICAL METERING PUMP 174-P-2														X				
ON/OFF														X				
START/STOP		X																X
SPEED			X															
HAND MODE							X							X				
AUTO MODE							X							X				
OFF MODE							X							X				
SPEED CONTROL MODE							X							X				
FLOW CONTROL MODE							X							X				
SPEED INDICATION																		
FLOW							X											
ALARM							X							X				
ELEVATION TANK RECIRCULATING PUMP 174-P-6														X				
ON/OFF														X				
START/STOP		X																X
ALARM							X							X				
FLOW METER 174-FM-1							X							X				
ALARM							X							X				
HYDROGEN SENSOR 174-H-1							X							X				
ALARM							X							X				
STATUS							X							X				

NOTES: 1. PROVIDE POWER TO CHLORINE ANALYZER AND TURBIDITY SENSOR, FLOW METERS, HYDROGEN SENSOR, LOW LEVEL SWITCHES, CONTROL VALVES AND CONTROL DAMPERS.  
 2. REFER TO CIVIL DRAWINGS FOR EQUIPMENT, CONTROL DIAGRAM AND SEQUENCE OF OPERATIONS.

BUILDING 174 DDC POINTS LIST - CONTINUED																		
SYSTEM COMPONENT	POINT ID	SYSTEM OUTPUTS				SYSTEM INPUTS							SYSTEM SOFTWARE / CONTROL					
		DIGITAL	ANALOG		VALUE	DIGITAL	CURRENT	PRESSURE	FLOW	TEMPERATURE	HYDROGEN	PERCENT	CHLORINE	DATA (COMM LINE)	EQUIPMENT STATUS	LOW LIMIT	HIGH LIMIT	LEAD / LAG
CHLORINE ANALYZER SENSOR	174-C-1																	X
ALARM														X				
VENTILATION SYSTEM																		
EXHAUST FAN 174-EF-1																		
ON/OFF																		
START/STOP		X																X
INTAKE DAMPER (TYP OF 2)																		
OPEN/CLOSE		X																
POSITION														X				
EXHAUST DAMPER																		
OPEN/CLOSE		X																
POSITION														X				
ROOM TEMPERATURE																	X	X
SPRING WOUND TWIST TIMER														X				
DOMESTIC COLD WATER COOLING SYSTEM																		
SUPPLY TEMPERATURE																	X	X
174-HX-1 TEMP CONTROL VALVE	174-TCV-1													X				
174-HX-2 TEMP CONTROL VALVE	174-TCV-2													X				

NOTES: 1. PROVIDE POWER TO CHLORINE ANALYZER AND TURBIDITY SENSOR, HYDROGEN SENSOR, LOW LEVEL SWITCHES, FLOW METERS, AND CONTROL VALVES.  
 2. REFER TO CIVIL DRAWINGS FOR EQUIPMENT, CONTROL DIAGRAM AND SEQUENCE OF OPERATIONS.

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Revisions Date	 Atriax, pllc 102 3rd Avenue, NE PO Box 1628, Hickory, NC 28603 Phone: 828.315.9962 Fax: 828.315.9964 www.atriaxgroup.com	 WileyWilson 127 Nationwide Drive Lynchburg, VA 24502 Phone: 434.947.1901 www.wileywilson.com		Approved: Energy Engineer  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CONSTRUCTION DOCUMENTS</div>	Approved: Safety Manager  Approved: Infection Control Officer  Approved: GEMS Coordinator	Approved: Service Chief  Approved: Chief of Staff  Approved: Associate Director	Drawing Title <b>M-706 DDC POINTS LIST</b>	Project Title <b>RENOVATE FOR WATER QUALITY</b>	Date 04/28/2017	Project No. 658-15-101	Approved: Chief of Facility Management Svc. Building Number 174 Location VA MEDICAL CENTER, SALEM, VA 24153	Checked MJG Drawn JFC	DRAWING SET <b>2592</b> Dwg. 141 Of 155	<b>Veterans Affairs</b>
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