BUILDING 9 DDC POINTS LIST

SYSTEM COMPONENT	POINT ID	SYSTEM OUTPUTS: DIGITAL: COMMAND	SYSTEM OUTPUTS: ANALOG: POSITION PERCENT	SYSTEM INPUTS: DIGITAL: STATUS	SYSTEM INPUTS: DIGITAL: CURRENT	SYSTEM INPUTS: ANALOG: PRESSURE	SYSTEM INPUTS: ANALOG: DIFFERENTIAL PRESSURE	SYSTEM INPUTS: ANALOG: LEVEL	SYSTEM INPUTS: ANALOG: FLOW	SYSTEM INPUTS: ANALOG: TEMPERATURE	SYSTEM INPUTS: ANALOG: CONDUCTIVITY	SYSTEM INPUTS: ANALOG: CHLORINE	SYSTEM INPUTS: ANALOG: DATA (COM LINE)	SYSTEM SOFTWARE / CONTROL: ALARM PROCESSING: EQUIPMENT STATUS	SYSTEM SOFTWARE / CONTROL: ALARM PROCESSING: LOW LIMIT	SYSTEM SOFTWARE / CONTROL: ALARM PROCESSING: HIGH LIMIT	SYSTEM SOFTWARE / CONTROL: APPLICATION / FUNCTION: LEAD / LAG	SYSTEM SOFTWARE / CONTROL: APPLICATION / FUNCTION: START / STOP	
INCOMING DOMESTIC COLD WATER																				
PRESSURE						X									X	X				
CHLORINE RESIDUAL												X			X	X				
TEMPERATURE										X						X				
COPPER SILVER IONIZATION 9-CSI-1																				
CIRCULATING PUMP 9-P-3					X									X						
CIRCULATING PUMP 9-P-4					X									X						
DOMESTIC WATER FLOW													X							
STATUS													X	X						
COPPER ANALYZER													X							
DOMESTIC HOT WATER SYSTEM																				
HOT WATER SUPPLY TEMPERATURE										X					X	X				
HOT WATER RETURN TEMPERATURE										X					X					
RECIRCULATING PUMP 9-P-1					X									X						
RECIRCULATING PUMP 9-P-2					X									X						
REMOTE DOMESTIC COLD WATER TEMPERATURES										X						X				
(SEE PLUMBING DWGS FOR QUANTITIES)																				
REMOTE DOMESTIC HOT WATER TEMPERATURES										X					X					
(SEE PLUMBING DWGS FOR QUANTITIES)																				
REMOTE CHLORINE RESIDUAL												X			X					

NOTES: 1. REFER TO PLUMBING DRAWINGS FOR DDC PANELS, INSTRUMENTATION, AND EQUIPMENT.
2. PROVIDE 24 VOLT POWER TO CHLORINE ANALYZERS.

BUILDING 77 DDC POINTS LIST

SYSTEM COMPONENT	POINT ID	SYSTEM OUTPUTS: DIGITAL: COMMAND	SYSTEM OUTPUTS: ANALOG: POSITION PERCENT	SYSTEM INPUTS: DIGITAL: STATUS	SYSTEM INPUTS: DIGITAL: CURRENT	SYSTEM INPUTS: ANALOG: PRESSURE	SYSTEM INPUTS: ANALOG: DIFFERENTIAL PRESSURE	SYSTEM INPUTS: ANALOG: LEVEL	SYSTEM INPUTS: ANALOG: FLOW	SYSTEM INPUTS: ANALOG: TEMPERATURE	SYSTEM INPUTS: ANALOG: CONDUCTIVITY	SYSTEM INPUTS: ANALOG: CHLORINE	SYSTEM INPUTS: ANALOG: DATA (COM LINE)	SYSTEM SOFTWARE / CONTROL: ALARM PROCESSING: EQUIPMENT STATUS	SYSTEM SOFTWARE / CONTROL: ALARM PROCESSING: LOW LIMIT	SYSTEM SOFTWARE / CONTROL: ALARM PROCESSING: HIGH LIMIT	SYSTEM SOFTWARE / CONTROL: APPLICATION / FUNCTION: LEAD / LAG	SYSTEM SOFTWARE / CONTROL: APPLICATION / FUNCTION: START / STOP	
INCOMING DOMESTIC COLD WATER																				
PRESSURE						X									X	X				
CHLORINE RESIDUAL												X			X	X				
TEMPERATURE										X						X				
COPPER SILVER IONIZATION 77-CSI-1																				
CIRCULATING PUMP 77-P-3					X									X						
CIRCULATING PUMP 77-P-4					X									X						
DOMESTIC WATER FLOW													X							
STATUS													X	X						
COPPER ANALYZER													X							
DOMESTIC HOT WATER SYSTEM																				
HOT WATER SUPPLY TEMPERATURE										X					X	X				
HOT WATER RETURN TEMPERATURE										X					X					
RECIRCULATING PUMP 77-P-1					X									X						
RECIRCULATING PUMP 77-P-2					X									X						
REMOTE DOMESTIC COLD WATER TEMPERATURES										X						X				
(SEE PLUMBING DWGS FOR QUANTITIES)																				
REMOTE DOMESTIC HOT WATER TEMPERATURES										X					X					
(SEE PLUMBING DWGS FOR QUANTITIES)																				
REMOTE CHLORINE RESIDUAL												X			X					

NOTES: 1. REFER TO PLUMBING DRAWINGS FOR DDC PANELS, INSTRUMENTATION, AND EQUIPMENT.
2. PROVIDE 24 VOLT POWER TO CHLORINE ANALYZERS.

BUILDING 12 DDC POINTS LIST

SYSTEM COMPONENT	POINT ID	SYSTEM OUTPUTS: DIGITAL: COMMAND	SYSTEM OUTPUTS: ANALOG: POSITION PERCENT	SYSTEM INPUTS: DIGITAL: STATUS	SYSTEM INPUTS: DIGITAL: CURRENT	SYSTEM INPUTS: ANALOG: PRESSURE	SYSTEM INPUTS: ANALOG: DIFFERENTIAL PRESSURE	SYSTEM INPUTS: ANALOG: LEVEL	SYSTEM INPUTS: ANALOG: FLOW	SYSTEM INPUTS: ANALOG: TEMPERATURE	SYSTEM INPUTS: ANALOG: CONDUCTIVITY	SYSTEM INPUTS: ANALOG: CHLORINE	SYSTEM INPUTS: ANALOG: DATA (COM LINE)	SYSTEM SOFTWARE / CONTROL: ALARM PROCESSING: EQUIPMENT STATUS	SYSTEM SOFTWARE / CONTROL: ALARM PROCESSING: LOW LIMIT	SYSTEM SOFTWARE / CONTROL: ALARM PROCESSING: HIGH LIMIT	SYSTEM SOFTWARE / CONTROL: APPLICATION / FUNCTION: LEAD / LAG	SYSTEM SOFTWARE / CONTROL: APPLICATION / FUNCTION: START / STOP	
INCOMING DOMESTIC COLD WATER																				
PRESSURE						X									X	X				
CHLORINE RESIDUAL															X	X				
TEMPERATURE										X						X				
COPPER SILVER IONIZATION 12-CSI-1																				
CIRCULATING PUMP 12-P-3					X									X						
CIRCULATING PUMP 12-P-4					X									X						
DOMESTIC WATER FLOW													X							
STATUS													X	X						
COPPER ANALYZER													X							
DOMESTIC HOT WATER SYSTEM																				
HOT WATER SUPPLY TEMPERATURE										X					X	X				
HOT WATER RETURN TEMPERATURE										X					X					
RECIRCULATING PUMP 12-P-1														X						
RECIRCULATING PUMP 12-P-2														X						
REMOTE DOMESTIC COLD WATER TEMPERATURES										X						X				
(SEE PLUMBING DWGS FOR QUANTITIES)																				
REMOTE DOMESTIC HOT WATER TEMPERATURES										X					X					
(SEE PLUMBING DWGS FOR QUANTITIES)																				
REMOTE CHLORINE RESIDUAL												X			X					

NOTES: 1. REFER TO PLUMBING DRAWINGS FOR DDC PANELS, INSTRUMENTATION, AND EQUIPMENT.
2. PROVIDE 24 VOLT POWER TO CHLORINE ANALYZERS.

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Revisions	Date
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PROFESSIONAL ENGINEER

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CONSTRUCTION DOCUMENTS

Approved: Safety Manager

Approved: Infection Control Officer

Approved: GEMS Coordinator

Approved: Service Chief

Approved: Chief of Staff

Approved: Associate Director

Approved: Chief of Facility Management Svc.

Approved: Medical Center Director

Drawing Title: M-703 DDC POINTS LIST

Project Title: RENOVATE FOR WATER QUALITY

Building Number: 9, 12 & 77

Checked: MJG

Drawn: JFC

Location: VA MEDICAL CENTER, SALEM, VA 24153

Date: 04/ 28 / 2017

Project No.: 658-15-101

DRAWING SET: 2592

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Veterans Affairs