

WATER FLOWMETER SCHEDULE													
MARK	LOCATION	SYSTEM AND/OR SERVICE	TYPE	FLUID TEMP		LINE PRESSURE		ACCURATE FLOW RANGE		MIN ACCURACY (%)	DIFF PRESS AT MAX FLOW		REMARKS
				°F	[°C]	PSIG	[kPa]	GPM	[L/s]		IN	[mm]	
52-101	BLDG 52 (SERVES C-WING)	DOM WATER	ULTRASONIC	50	10	60	410	501	32	1%	NA	NA	LIKE SIEMENS SITRANS FUE 1010 CLAMP-ON US FLOWMETER, NEMA 4X FLOW/DISPLAY CONTROLLER AND OR APPROVED EQUAL. MUST FUNCTION WITH THE EXISTING SITRANS RADIO TRANSMISSION EQUIPMENT.
58-102	BLDG 58	DOM WATER	ULTRASONIC	50	10	60	410	688	42	1%	NA	NA	LIKE SIEMENS SITRANS FUE 1010 CLAMP-ON US FLOWMETER, NEMA 4X FLOW/DISPLAY CONTROLLER AND OR APPROVED EQUAL. MUST FUNCTION WITH THE EXISTING SITRANS RADIO TRANSMISSION EQUIPMENT.
53-INT EAST	BLDG 53	CHW MAKE UP	DISC W/ PULSE	50	10	60	410	6	2/5	1%	3	21	
53-INT WEST	BLDG 53	HHW MAKE UP	DISC W/ PULSE	50	10	60	410	6	0.4	1%	3	21	
101-52	BLDG 52	HHW MAKE UP	DISC W/ PULSE	50	10	60	410	6	0.4	1%	3	21	
3COT-1	BLDG 1C	HHW MAKE UP	DISC W/ PULSE	50	10	60	410	6	0.4	1%	3	21	
C-TUNNEL	BLDG 1C	HHW MAKE UP	DISC W/ PULSE	50	10	60	410	6	0.4	1%	3	21	
4C0A-1	BLDG 1C	CHW MAKE UP	DISC W/ PULSE	50	10	60	410	6	0.4	1%	3	21	
B6-24	BLDG 24	HHW MAKE UP	DISC W/ PULSE	50	10	60	410	6	0.4	1%	3	21	
S802-22	BLDG 22	HHW MAKE UP	DISC W/ PULSE	50	10	60	410	6	0.4	1%	3	21	
1803-1	BLDG 1A/B	HHW MAKE UP	DISC W/ PULSE	50	10	60	410	6	0.4	1%	3	21	
	BLDG 1B	IRRIGATION	DISC W/ PULSE	50	10	60	410	6	0.4	1%	3	21	

PACKAGE BOOSTER PUMP SCHEDULE																								
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	TYPE	CIRCULATING FLUID										ELECTRICAL MOTOR									
					FLUID	NO PUMPS	FLOW EA. PUMP		HEAD EA. PUMP		MIN NPSH AVAIL	TEMPERATURE		SP GR	% EFF	PRESSURE TRANSMITTER SETPOINT		NOMINAL POWER, EA.	PHASE	VOLT	MAX RPM	SPEED CONTROL	REMARKS	
							GPM	[L/s]	FT	[M]		°F	[°C]			PSIG	[kPa]							HP
DWBP-1	BLDG 58	CAMPUS LOOP / WATER TOWER FILL	DOMESTIC WATER	END SUCTION	DOMESTIC COLD WATER	4	167	[11]	192	[58]	10	50	[10]	1	ODP	92	[630]	15	[11]	3	460	3600	VARIABLE	PUMP PACKAGE TO BE SKID MOUNTED AND EACH PUMP TO BE PROVIDED WITH AN EXTRA VFD
DWBP-2	BLDG 52	BLDG 52, 53, 1C & 60	DOMESTIC WATER	END SUCTION	DOMESTIC COLD WATER	3	167	[11]	171	[51]	10	50	[10]	1	ODP	92	[630]	15		3	460	3600	VARIABLE	PUMP PACKAGE TO BE SKID MOUNTED AND EACH PUMP TO BE PROVIDED WITH AN EXTRA VFD

PLUMBING FIXTURE SCHEDULE														
MARK	DESCRIPTION	WASTE PIPE		VENT PIPE		COLD WATER		HOT WATER		WASTE FIXTURE UNITS	WATER FIXTURE UNITS	WRIST BLADE HANDLES	ELECTRIC SENSOR	REMARKS
		IN	[mm]	IN	[mm]	IN	[mm]	IN	[mm]					
P-418-F	LAVATORY FAUCET	NA		NA		0.5	[13]	0.5	[13]	NA	2	NA	YES	FAUCET TO REPLACE EXISTING - PROVIDE MOUNTING PLATE AS REQUIRED TO COVER EXISTING HOLES ON FIXTURE.
P-804	HOSE BIBB	NA		NA		0.75	[19]	0.75	[19]	NA	5	NA	NO	CONNECT TO DOMESTIC COLD OR HOT WATER AS INDICATED ON THE PLANS.

DOMESTIC WATER BACKFLOW PREVENTION SCHEDULE											
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	TYPE	CAPACITY		INLET PRESSURE		SIZE		REMARKS
					GPM	[L/s]	PSIG	[kPa]	IN	[mm]	
BFP-1	BLDG 53	VARIES	DOMESTIC WATER	REDUCED PRESSURE ZONE	50	[190]	60	[410]	1	[25]	ASSE 1013 LISTED
BFP-2	BLDG 53	VARIES	DOMESTIC WATER	REDUCED PRESSURE ZONE	75	[280]	60	[410]	1 1/4	[32]	ASSE 1013 LISTED
BFP-3	BLDG 53	VARIES	DOMESTIC WATER	REDUCED PRESSURE ZONE	100	[380]	60	[410]	1 1/2	[38]	ASSE 1013 LISTED
BFP-4	VARIES	VARIES	DOMESTIC WATER	REDUCED PRESSURE ZONE	125	[470]	60	[410]	2	[51]	ASSE 1013 LISTED
BFP-5	BLDG 22	BLDG 22	DOMESTIC WATER	REDUCED PRESSURE ZONE	225	[850]	60	[410]	2 1/2	[64]	ASSE 1013 LISTED
BFP-6	BLDG 24	BLDG 24	DOMESTIC WATER	REDUCED PRESSURE ZONE	300	[1100]	60	[410]	3	[76]	ASSE 1013 LISTED
BFP-7	VARIES	VARIES	DOMESTIC WATER	REDUCED PRESSURE ZONE	500	[1900]	60	[410]	4	[76]	ASSE 1013 LISTED
BFP-8	BLDG 18	BLDG 18	DOMESTIC WATER	REDUCED PRESSURE ZONE	1000	[3800]	60	[410]	6	[76]	ASSE 1013 LISTED
DCVA-1	BLDG 22	BLDG 22	FIRE SERVICE	DOUBLE CHECK	500	[1900]	60	[410]	4	[102]	ASSE 1015 LISTED
DCVA-2	BLDG 53	BLDG 53	FIRE SERVICE	DOUBLE CHECK	1000	[3800]	60	[410]	6	[152]	ASSE 1015 LISTED
DCVA-3	BLDG 18 CARPENTER SHOP B01-18	BLDG 18	FIRE SERVICE	DOUBLE CHECK	1000	[3800]	60	[410]	6	[152]	ASSE 1015 LISTED

STEAM TO WATER HEAT EXCHANGER SCHEDULE															
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	TYPE	WATER CONDITIONS						STEAM PRESSURE				REMARKS
					FLOW		EWT		LWT		ENT CONTROL VALVE		ENT HEAT EXCHANGER		
					GPM	[L/s]	°F	[°C]	°F	[°C]	PSIG	[kPa]	PSIG	[kPa]	
DWH-1	BLDG 1A - B	SAME	DOMESTIC HOT WATER	INSTANTANEOUS	75	[5]	60	[16]	140	[60]	10	[69]	NA	NA	LIKE LESLIE CONSTANTEMP 7500 L US01961579 OR APPROVED EQUAL HEATER TO BE SKID MOUNTED AND PRE-PIPED AND FACTORY TESTED WHEN DELIVERED TO SITE. PROVIDE AN EXTRA COMPLETE BLENDING VALVE ASSEMBLY AND HEAT EXCHANGER COIL REPLACEMENT.
DWH-2	BLDG 18	SAME	DOMESTIC HOT WATER	INSTANTANEOUS	30	[2]	60	[16]	140	[60]	10	[69]	NA	NA	LIKE LESLIE CONSTANTEMP 7500 L US01961579 OR APPROVED EQUAL HEATER TO BE SKID MOUNTED AND PRE-PIPED AND FACTORY TESTED WHEN DELIVERED TO SITE. PROVIDE AN EXTRA COMPLETE BLENDING VALVE ASSEMBLY AND HEAT EXCHANGER COIL REPLACEMENT.

THERMOSTATIC MIXING VALVE SCHEDULE												
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	CAPACITY		PRESSURE DROP		INLET SIZE		OUTLET SIZE		REMARKS
				GPM	[L/s]	PSIG	[kPa]	IN	[mm]	IN	[mm]	
TMV-1	VARIES	VARIES	DOMESTIC HOT WATER	35	[2]	10	[69]	1	[38]	1 1/4	[38]	PRE-PIPE UNISTRUT MOUNTED DIGITAL WATER TEMPERING SYSTEM. BACKNET/ITP TO BE INTEGRATED TO THE EXISTING NIAGRA AX BAS SERVER. LIKE LAWLER 802 MIXING SYSTEM WITH RMS DLX AND HW BY-PASS OR APPROVED EQUAL.
TMV-2	BLDG 1A/B RM 1803-1	BLDG 1A/B	DOMESTIC HOT WATER	70	[4]	10	[69]	1 1/2	[64]	2	[64]	PRE-PIPE UNISTRUT MOUNTED DIGITAL WATER TEMPERING SYSTEM. BACKNET/ITP TO BE INTEGRATED TO THE EXISTING NIAGRA AX BAS SERVER. LIKE LAWLER 804 MIXING SYSTEM WITH RMS DLX AND HW BY-PASS OR APPROVED EQUAL.
TMV-3	BLDG 52	VARIES	DOMESTIC HOT WATER	150	[10]	10	[69]	2	[64]	2	[64]	PRE-PIPE UNISTRUT MOUNTED DUPLEX DIGITAL WATER TEMPERING SYSTEM. EACH TMV CAPABLE OF FLOWING 96 GPM AT 10 PSI DROP. BACKNET/ITP TO BE INTEGRATED TO THE EXISTING NIAGRA AX BAS SERVER. LIKE LAWLER 805 DUPLEX MIXING SYSTEM WITH RMS DLX AND HW BY-PASS OR APPROVED EQUAL.

WATER PRESSURE REDUCING VALVE SCHEDULE												
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	INLET PRESSURE		INLET SIZE		OUTLET PRESSURE		OUTLET SIZE		REMARKS
				PSIG	[kPa]	IN	[mm]	PSIG	[kPa]	IN	[mm]	
PRV-1	VARIES	VARIES	DOMESTIC HOT AND COLD WATER	90	[620]	1	[25]	65	[450]	1	[25]	PROVIDE PRESSURE GAUGE
PRV-2	VARIES	VARIES	DOMESTIC HOT AND COLD WATER	90	[620]	1 1/4	[31]	65	[450]	1 1/4	[31]	PROVIDE PRESSURE GAUGE
PRV-3	VARIES	VARIES	DOMESTIC HOT AND COLD WATER	90	[620]	1 1/2	[38]	65	[450]	1 1/2	[38]	PROVIDE PRESSURE GAUGE
PRV-4	VARIES	VARIES	DOMESTIC HOT AND COLD WATER	90	[620]	2	[50]	65	[450]	2	[50]	PROVIDE PRESSURE GAUGE
PRV-5	BLDG 52	VARIES	DOMESTIC HOT AND COLD WATER	90	[620]	4	[100]	65	[450]	2	[50]	PROVIDE PRESSURE GAUGE
PRV-6	VARIES	VARIES	DOMESTIC HOT AND COLD WATER	90	[620]	3/4	[19]	65	[450]	3/4	[19]	PROVIDE PRESSURE GAUGE

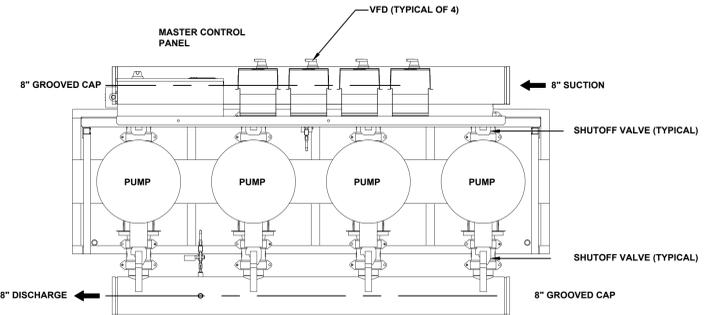
WATER DISTRIBUTION QUALITY MONITOR EQUIPMENT SCHEDULE									
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	ELECTRICAL REQUIREMENTS				REMARKS	
				VOLT	PHASE	HZ	AMP		
WQMS-1	BLDG 18 AND 58	FACILITY WATER SERVICE ENTRANCE	DOMESTIC COLD WATER	120	[11]	60	90	WALL MOUNTED - SEE SPECIFICATION SECTION 221119 FOR ALL REQUIRED COMPONENTS AND ACCESSORIES	
WQMS-1	BLDG 53 EAST	FACILITY WATER SERVICE ENTRANCE	DOMESTIC COLD, HOT, AND HOT WATER RETURN	120	[11]	60	90	WALL MOUNTED - SEE SPECIFICATION SECTION 221119 FOR ALL REQUIRED COMPONENTS AND ACCESSORIES	
WQMS-1	BLDG 53 WEST	FACILITY WATER SERVICE ENTRANCE	DOMESTIC COLD, HOT, AND HOT WATER RETURN	120	[11]	60	90	WALL MOUNTED - SEE SPECIFICATION SECTION 221119 FOR ALL REQUIRED COMPONENTS AND ACCESSORIES	
WQMS-1	BLDG 1C	FACILITY WATER SERVICE ENTRANCE	DOMESTIC COLD, HOT, AND HOT WATER RETURN	120	[11]	60	90	WALL MOUNTED - SEE SPECIFICATION SECTION 221119 FOR ALL REQUIRED COMPONENTS AND ACCESSORIES	
WQMS-1	WATER STORAGE TANK	FACILITY WATER SERVICE ENTRANCE	DOMESTIC COLD WATER	120	[11]	60	90	WALL MOUNTED - SEE SPECIFICATION SECTION 221119 FOR ALL REQUIRED COMPONENTS AND ACCESSORIES	

PLUMBING PUMP SCHEDULE																					
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	FLUID	CIRCULATING FLUID								ELECTRICAL MOTOR					REMARKS			
					FLOW		HEAD	NPSH AVAILABLE	TEMPERATURE		SP. GR.	MIN. % EFF	NOMINAL POWER		PHASE	VOLT	MAX RPM		SPEED CONTROL		
					GPM	[L/s]			FT	[kPa]			FT	[kPa]						°F	[°C]
HWCP-1	MECHANICAL RM B10-18	BLDG 18	DOMESTIC HOT WATER RETURN	DOMESTIC WATER	25	1.80	15	[240]	NA	NA	NA	NA	1	70	1/4	0.2	1	115	1750	NA	ALL BRONZE

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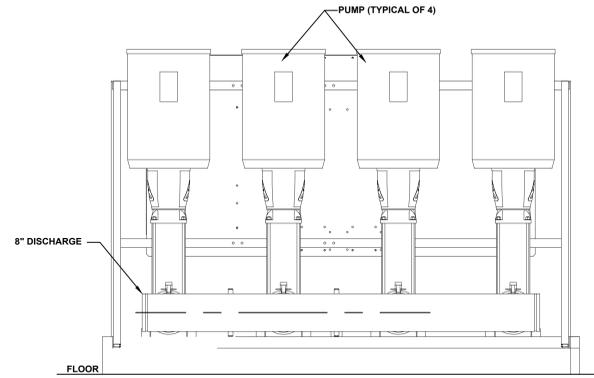
CONSULTANT [Blank]		ARCHITECT/ENGINEER OF RECORD A/E: Apogee Consulting Group 1152 Kildaire Farm Rd., Suite 120 Cary, NC 27511 919-858-7420 Josh VandenEnde		STAMP 	Office of Construction and Facilities Management 	Drawing Title PLUMBING EQUIPMENT AND FIXTURE SCHEDULES Approved: [Blank]	Phase 100% CONSTRUCTION DOCUMENTS FULLY SPRINKLERED	Project Title Upgrade Site Water Systems Location Muskegee, OK Issue Date March 29, 2018 Checked DJR Drawn WLF	Project Number VA #623-16-113 Building Number - Drawing Number P-401
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A
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 L:\Projects - Eng\2017 Projects\17-119-VA Muskogee-Upgrade Water Dist. Sys-OK(Dwg)\Plumb\99-P-P-501 Details.dwg 3-29-18 11:55:55 AM bforyno

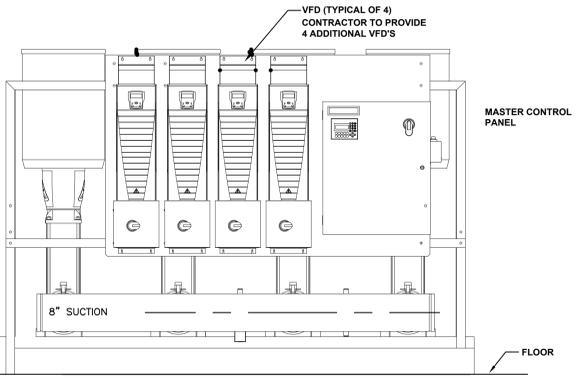


PLAN VIEW

NOTE:
1. PIPE PRV DISCHARGE PIPE TO EXTERIOR OF THE BUILDING.

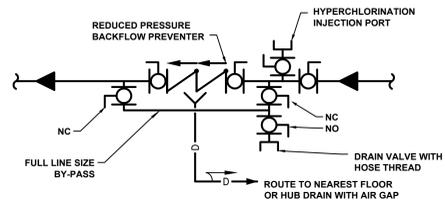


EAST ELEVATION

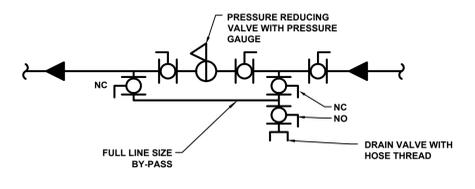


WEST ELEVATION

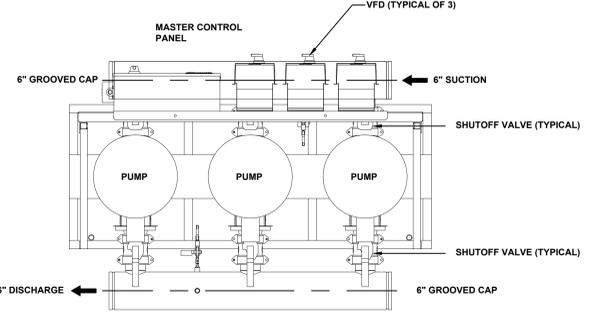
6 QUADRUPLEX DOMESTIC WATER BOOSTER PUMP DETAIL
SCALE: NOT TO SCALE (BUILDING 58)
P-501



5 REDUCED PRESSURE BACKFLOW PREVENTOR PIPING SCHEMATIC
SCALE: NOT TO SCALE
P-501

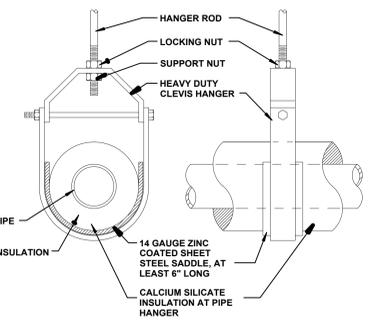


4 PRESSURE REDUCING VALVE PIPING SCHEMATIC
SCALE: NOT TO SCALE
P-501

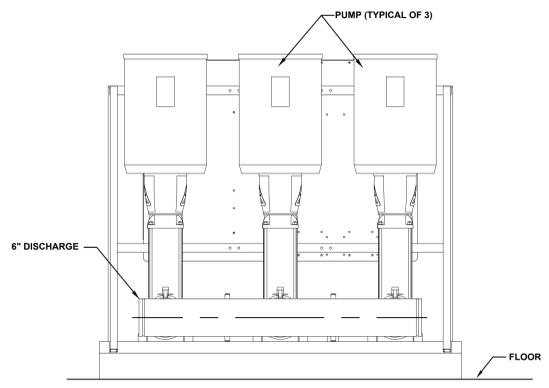


PLAN VIEW

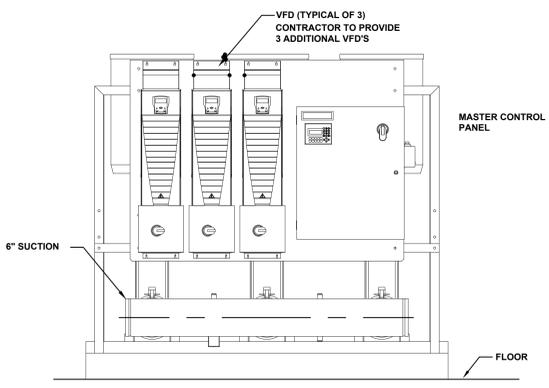
NOTE:
1. PIPE PRV DISCHARGE PIPE TO EXTERIOR OF THE BUILDING.



3 PIPE HANGER DETAIL
SCALE: NOT TO SCALE
P-501

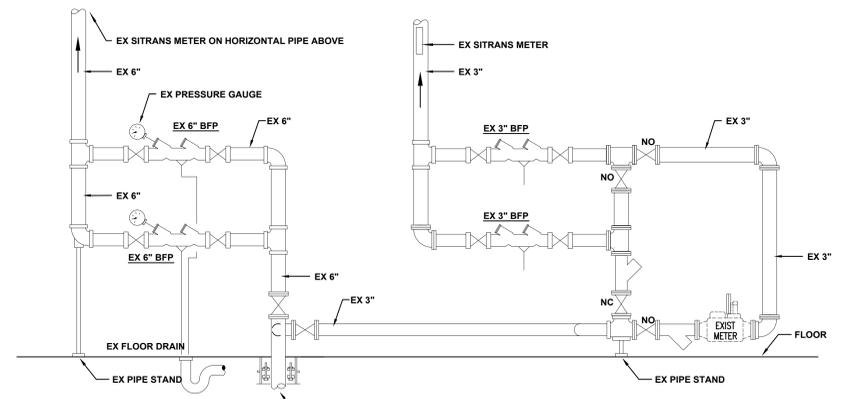


EAST ELEVATION



WEST ELEVATION

2 TRIPLEX DOMESTIC WATER BOOSTER PUMP DETAIL
SCALE: NOT TO SCALE (BUILDING 52)
P-501



1 EXISTING WATER SERVICE AND BACKFLOW PREVENTER PIPING SCHEMATIC
SCALE: NOT TO SCALE (BUILDING 52)
P-501

Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD
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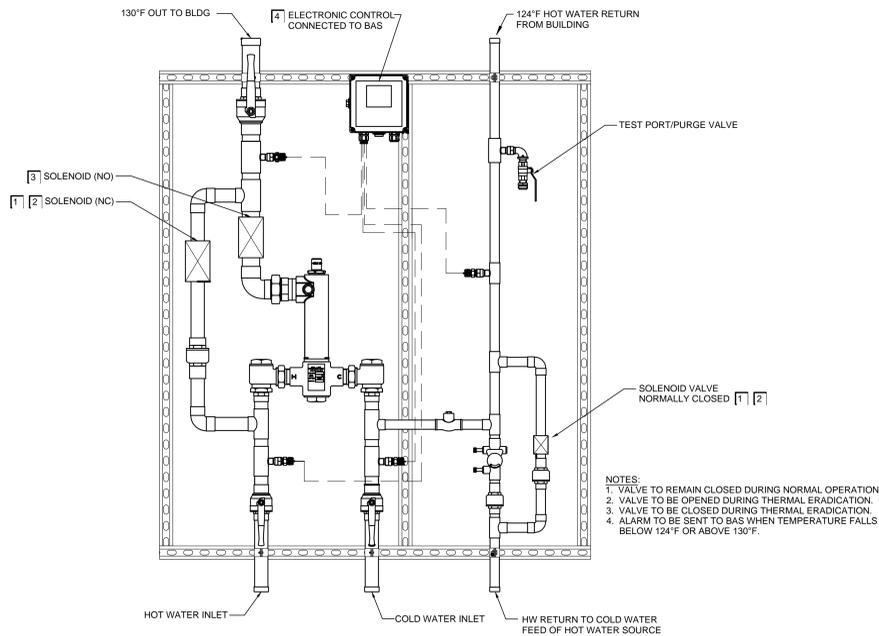
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
PLUMBING DETAILS
Approved:

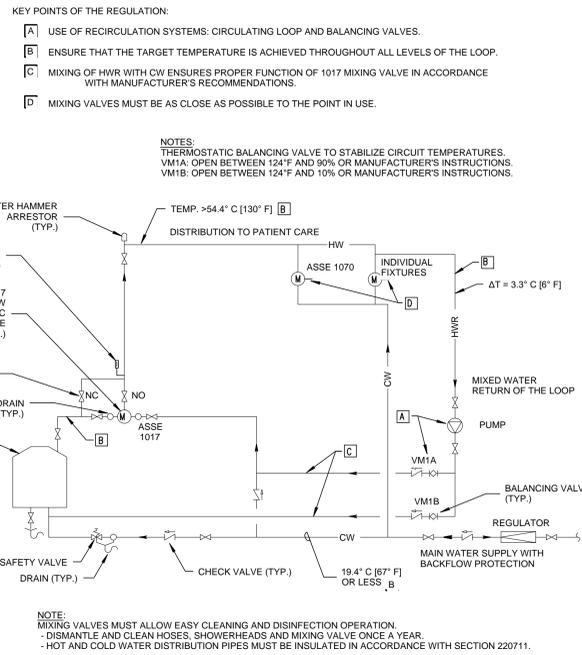
Phase
100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Project Title
Upgrade Site Water Systems
Location
Muskogee, OK
Issue Date
March 29, 2018
Checked
DJR
Drawn
WLF / LLP

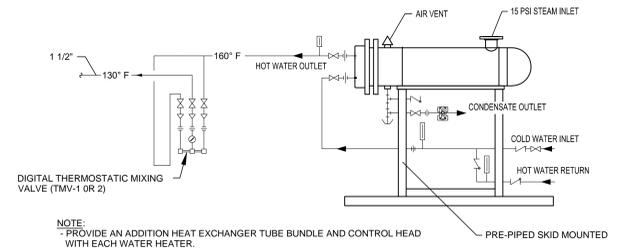
Project Number
VA #623-16-113
Building Number
Drawing Number
P-501



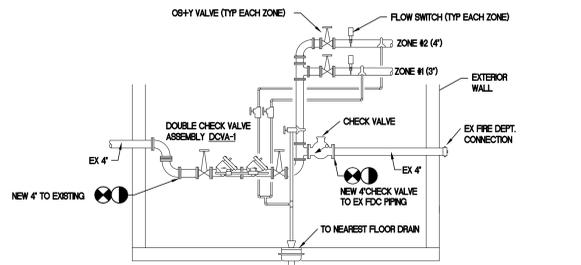
9 MASTER DIGITAL THERMOSTATIC MIXING VALVE
 P-502 SCALE: NOT TO SCALE (BUILDINGS 1 AB, 1C, 52, 22, & 18)



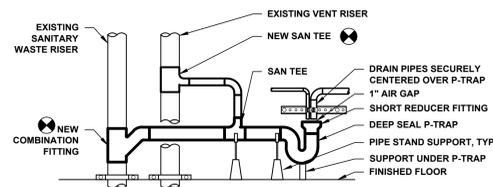
8 MASTER THERMOSTATIC MIXING VALVE FLOW DIAGRAM
 P-502 SCALE: NOT TO SCALE (BUILDINGS 1 AB, 1C, 52, 22, & 18)



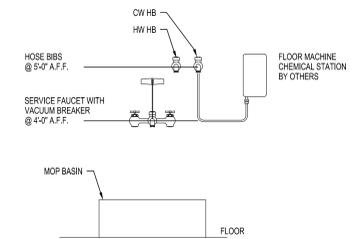
7 PRE-PACKAGED STEAM TO WATER HEATER EXCHANGER
 P-502 SCALE: NOT TO SCALE (BUILDINGS 1 AB & 18)



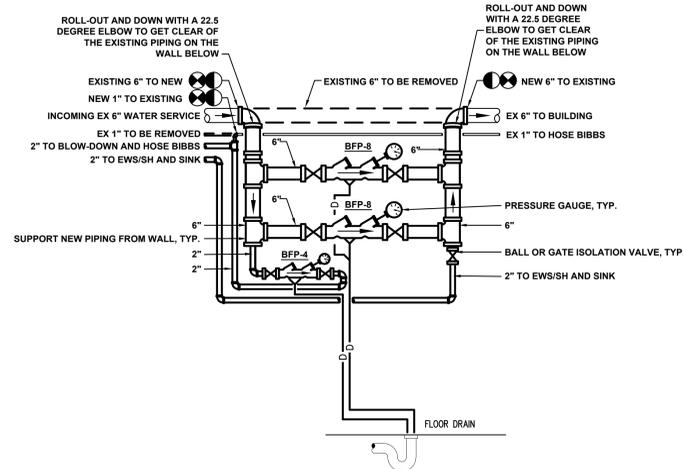
6 FIRE PROTECTION DOUBLE CHECK VALVE DETAIL
 P-502 SCALE: NOT TO SCALE



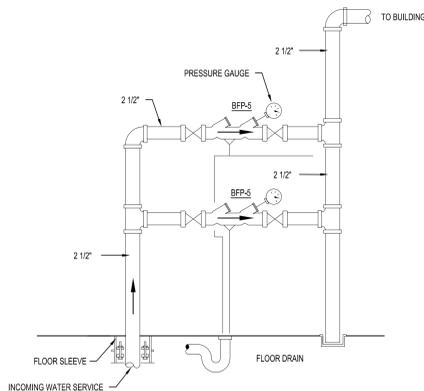
5 NEW DRAIN STANDPIPE DETAIL
 P-502 SCALE: NOT TO SCALE



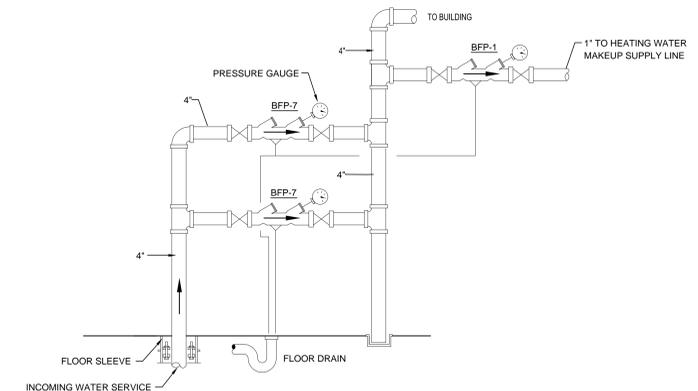
4 HOSE BIBB AT MOP BASIN DETAIL
 P-502 SCALE: NOT TO SCALE



3 REDUCED PRESSURE BACKFLOW PREVENTERS
 P-502 SCALE: NOT TO SCALE (BUILDING 18)



2 REDUCED PRESSURE BACKFLOW PREVENTERS
 P-502 SCALE: NOT TO SCALE (BUILDING 22)



1 REDUCED PRESSURE BACKFLOW PREVENTERS
 P-502 SCALE: NOT TO SCALE (BUILDING 1 AB AND 24)

Revisions:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Drawing Title	Phase	Project Title	Project Number
	Date:	A/E: Apogee Consulting Group 1152 Kildaire Farm Rd., Suite 120 Cary, NC 27511 919-858-7420 Josh VandenEnde		PLUMBING DETAILS	100% CONSTRUCTION DOCUMENTS	Upgrade Site Water Systems	VA #623-16-113
				Approved:	FULLY SPRINKLERED	Location Muskogee, OK	Building Number
						Issue Date March 29, 2018	Drawing Number P-502
						Checked DJR	Drawn WLF / LLP

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 VA FORM 08-6231

SEQUENCE OF OPERATION

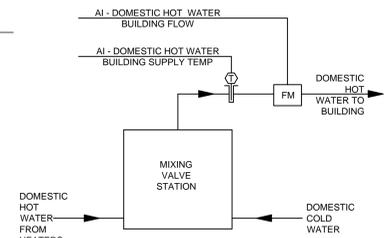
FLOW METER:
FLOW METER SHALL PROVIDE CONTINUOUS FLOW RATE READINGS (GPM) AND TOTALIZATION OF USAGE PER HOUR, DAY, MONTH, AND YEAR. FLOW METER SHALL REPORT TO THE TL SYSTEMS CONTROLS.

DOMESTIC HOT WATER MIXING VALVE:
MIXING VALVES SHALL MODULATE TO MAINTAIN 130°F BUILDING WATER SUPPLY.

DOMESTIC HOT WATER BUILDING SUPPLY TEMPERATURE:
TEMPERATURE SENSOR SHALL REPORT TO THE BAS CONTROL SYSTEM.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- TEMPERATURE EXCEEDS 140°F
- TEMPERATURE FALLS BELOW 124°F



CONTROL DIAGRAM

POINT NAME	HARDWARE POINTS				SOFTWARE POINTS				SHOW ON GRAPHIC		
	AI	AO	BI	BO	AV	BV	LOOP	SCHED		TREND	ALARM
BUILDING DOMESTIC HOT WATER SUPPLY TEMP	X								X	X	X
BUILDING DOMESTIC HOT WATER FLOW	X								X		X
TOTALS	2								2	2	2

POINTS LIST

3
P-601 TYPICAL MIXING VALVE STATION CONTROLS
SCALE: NOT TO SCALE

SEQUENCE OF OPERATION

THIS SYSTEM MONITORS THE REMOTE DOMESTIC COLD WATER OXIDANT RESIDUAL AND REMOTE DOMESTIC HOT WATER TEMPERATURE FOR LEGIONELLA GUIDELINE COMPLIANCE.

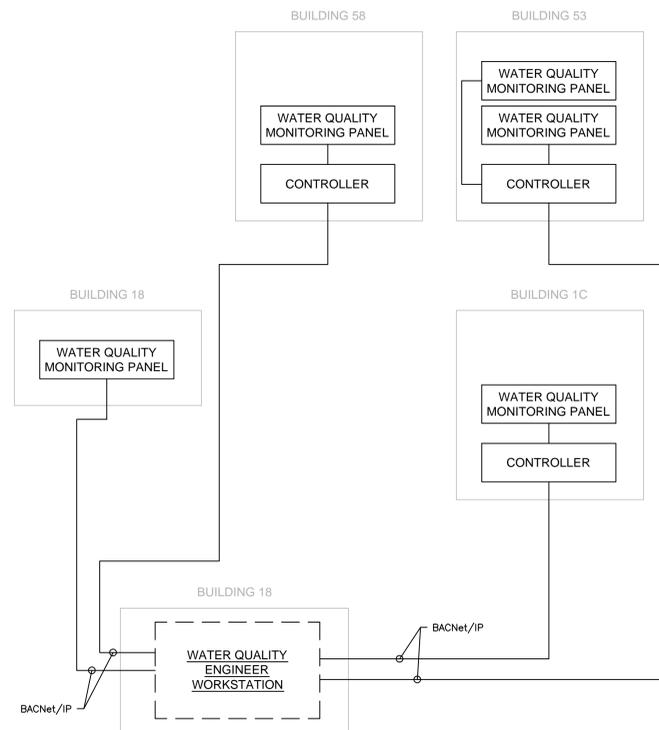
MONITORING CONDITIONS: THE REMOTE DOMESTIC COLD WATER OXIDANT RESIDUAL AND REMOTE DOMESTIC HOT WATER TEMPERATURE SHALL BE MONITORED AND TRENDED AT ALL TIMES.

REMOTE OXIDANT RESIDUAL:
ALARMS SHALL BE PROVIDED AS FOLLOWS:
ALARM IF RESIDUAL OXIDANT LEVEL FALLS BELOW 0.5 mg/L.

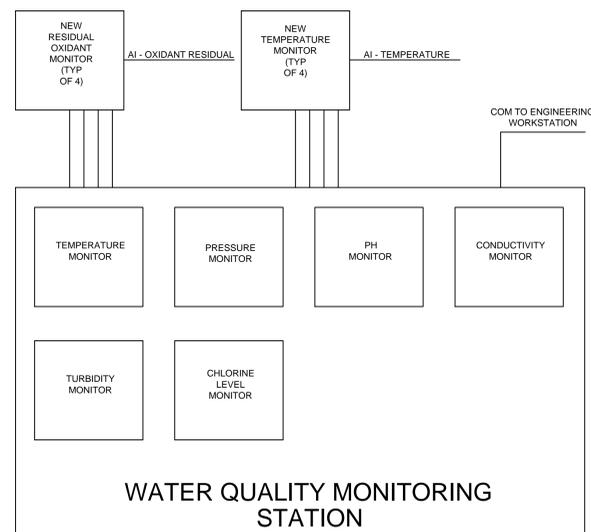
REMOTE HOT WATER TEMPERATURE:
ALARMS SHALL BE PROVIDED AS FOLLOWS:
ALARM IF TEMPERATURE FALLS BELOW 124 F.

POINT NAME	HARDWARE POINTS				SOFTWARE POINTS				SHOW ON GRAPHIC		
	AI	AO	BI	BO	AV	BV	LOOP	SCHED		TREND	ALARM
COLD WATER OXIDANT RESIDUAL BUILDING 58	X								X	X	X
COLD WATER OXIDANT RESIDUAL FIFTH FLOOR EAST BUILDING 53	X								X	X	X
COLD WATER OXIDANT RESIDUAL FIFTH FLOOR WEST BUILDING 53	X								X	X	X
COLD WATER OXIDANT RESIDUAL BUILDING 18	X								X	X	X
COLD WATER OXIDANT RESIDUAL THIRD FLOOR MEZZANINE MECHANICAL ROOM BUILDING 1 C	X								X	X	X
HOT WATER TEMPERATURE FIFTH FLOOR EAST BLDG 53	X								X	X	X
HOT WATER TEMPERATURE FIFTH FLOOR WEST BLDG 53	X								X	X	X
HOT WATER TEMPERATURE THIRD FLOOR MEZZANINE MECHANICAL ROOM BUILDING 1 C	X								X	X	X
TOTALS	8								8	8	8

POINTS LIST



2
P-601 CAMPUS CONTROLS SCHEMATIC
SCALE: NOT TO SCALE



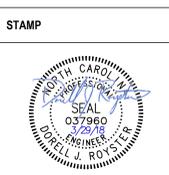
CONTROL DIAGRAM

1
P-601 WATER QUALITY MONITORING CONTROL SCHEMATIC
SCALE: NOT TO SCALE

Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E: Apogee Consulting Group 1152 Kildaire Farm Rd., Suite 120 Cary, NC 27511 919-858-7420 Josh VandenEnde

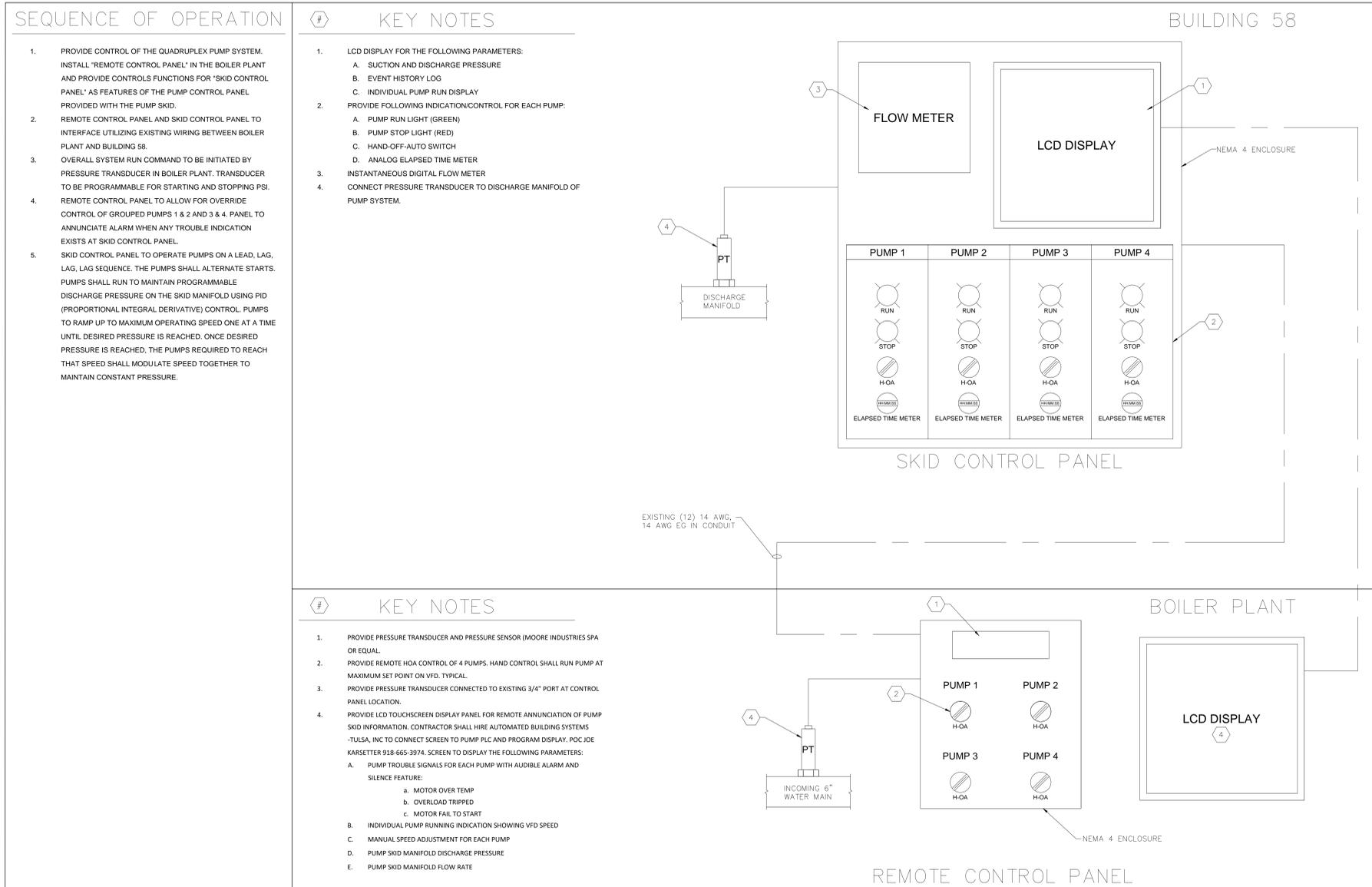


Office of Construction and Facilities Management

Drawing Title PLUMBING CONTROLS
Approved:

Phase 100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Project Title Upgrade Site Water Systems	Project Number VA #623-16-113
Location Muskogee, OK	Building Number
Issue Date March 29, 2018	Checked DJR
Drawn WLF / JB	Drawing Number P-601



1 INSTRUMENTATION DETAILS
P-602 SCALE NTS

L:\Projects - Eng\2017 Projects\17-119-VA Muskogee-Upgrade Water Dist Sys-OK\Drawings\Plumb\99-P-602 Inst Details.dwg 3-29-18 11:59:02 AM bforyna

Revisions:	Date:

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
INSTRUMENTATION DETAILS

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
Upgrade Site Water Systems

Location
Muskogee, OK

Issue Date
March 29, 2018

Checked
CAS

Drawn
BOB

Project Number
VA #623-16-113

Building Number
ALL

Drawing Number
P-602