

NOTE:

1. CONTRACTOR SHALL REFER TO PLUMBING FLOOR PLANS FOR IDENTIFICATION OF SPECIFIC FIXTURES TO BE RENOVATED WITH NEW ITEMS LISTED ABOVE.
2. WHERE SHOWER SYSTEMS ARE BEING REPLACED IN THE CLC, THE CONTRACTOR SHALL COORDINATE WITH AND OBTAIN 0.2 MICRON SHOWER HEAD FILTERS FROM THE GOVERNMENT.

MECHANICAL/PLUMBING/ELECTRICAL EQUIPMENT CONNECTIONS SCHEDULE								
DESCRIPTION	DESIGNATION	CONTRACTOR TO PROVIDE:		CONTROLLER (MOTOR STARTER)				DRAWING REQUIREMENTS
		DISCONNECT	CONTROLLER (STARTER)	< 1/8 HP	1/4 TO 2 HP (LESS THAN 300V)	2 HP + (LESS THAN 300V)	3/4 HP + (OVER 300V)	
HOUSE PUMPS	P-1	YES	YES	N/A	—	YES	—	—
MIXING VALVE STATION	MVS	YES	NO	YES	—	—	—	—
PACKAGED PRESSURE BOOSTERS	PBS	YES	YES	N/A	—	YES	—	—
COLD WATER CIRCULATORS	CWRP	YES	N/A	N/A	—	—	—	—
SEMI-INSTANTANEOUS WATER HEATER	SWH	YES	N/A	N/A	—	—	—	—
ATC CONTROL PANELS	—	YES	N/A	N/A	—	—	—	—

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STEAM CONDENSATE TRANSFER PUMP SCHEDULE								
TAG	LOCATION	TYPE	GPM	RECEIVER SIZE (GALS.)	DISCHARGE PRESSURE	MOTOR RPM	MOTOR HP	ELECTRIC L
CTP-1	5TH FLOOR NORTH WING	DUPLEX CONDENSATE TRANSFER PUMP WITH CAST IRON RECEIVER	30	37	25-PSI	3600	3/4	208/60/1

NOTES:

1. BASIS OF DESIGN: SHIPCO 2025 DC
2. PROVIDE NEMA 1 CONTROL CABINET WITH OPERATING PILOT LIGHTS, HOA CONTROL TRANSFORMER, HIGH WATER ALARM BELL/LIGHT, AND MECHANICAL ALTERNATOR.
3. PROVIDE INLET BASKET STRAINER, WATER LEVEL GAUGE, DIAL THERMOMETER, PRESSURE GAUGE, AND BRONZE ISOLATION VALVES.
4. INSTALL UNIT ON 4" HOUSEKEEPING PAD.
5. EXTEND VENT TO EXTERIOR. EXTEND OVERFLOW TO DRAIN.
6. PUMP FURNISHED WITH BRONZE IMPELLER.
7. UNIT RATED FOR 250 DEG. F SERVICE
8. RECEIVER MANUFACTURED OF CLOSE-GRAINED CAST IRON.

STEAM PRESSURE REDUCING VALVE STATIONS						
PRV. NO.	LOCATION	STEAM PRESSURE PSIG		CAPACITY LBS/HR	PRV VALVE SIZES	REMARKS
		INLET	OUTLET			
				2,700		
PRV-A	5th FLR NORTH	125	20		-	STEAM SUPPLY FOR 5 NORTH SEMI-INSTANTANEOUS WATER HEATER

NOTES:

1. PRV SHALL INCLUDE PRESSURE REDUCING VALVE, STEAM SAFETY VALVE AND PIPING, ISOLATION GATE VALVES (UPSTREAM AND DOWNSTREAM) ECCENTRIC REDUCERS AND INCREASERS, STRAINER, UNIONS, BYPASS PIPING, BYPASS GLOBE VALVE AND PRESSURE GAGES. INSULATE PRV STATIONS AS PER SPECIFICATION.
2. PROVIDE SAFETY VALVES DOWNSTREAM OF PRV STATIONS. PROVIDE DRIP PAN ELBOW WITH DRAIN TERMINATION
3. TERMINATE SAFETY VALVE DISCHARGE AT BUILDING EXTERIOR PER ASME REQUIREMENTS.

	JOB: YA PLUMBING PHASE II BUILDING: 1 (INC. CLC, AMB. CARE, & NORTH WING)	POINT LEGEND	SYSTEM OUTPUTS		SYSTEM INPUTS		SYSTEM SOFTWARE/CONTROL		PAGE:	NOTES 1. PL 2. PL
			BINARY	ANALOG	BINARY	ANALOG	ALARM PROCESSING	APPLICATION/FUNCTION		

SPLIT COUPLED-INLINE PUMP SCHEDULE (DOMESTIC WATER HOUSE PUMP)														
TAG	TYPE	GPM	HEAD (FT)	IMPELLER DIA. (IN)	NPSH (FIT)	RPM	EFF.	BHP	MOTOR HP	ELECTRICAL	SUCTION DISCHARGE	EMERG. POWER	BASIS OF DESIGN	NOTES
P-1, P-2	INLINE, SEPARATE COUPLED	250	225	7.8"	11	3600	65%	21.85	30	480/60/3	3"/3"	YES	TACO KS3009	SEE BELOW

NOTES:


- PUMP SHALL BE BRONZE FITTED WITH BRONZE IMPELLER.
- PUMP FLANGE RATING 250 LB.
- PROVIDE OPTIONAL PEDESTAL SUPPORT
- PROVIDE INVERTER DUTY-RATED MOTOR
- PROVIDE VARIABLE FREQUENCY DRIVE. (SEE SPECIFICATIONS)
- PUMP OPERATION SHALL BE CONTROLLED FROM NEW DOMESTIC WATER DAYTANK ULTRASOUND LEVEL TRANSMITTER TRANSMITTED, THROUGH JOHNSON CONTROLS BAS
- INSTALL PUMPS ON 4" CONCRETE HOUSEKEEPING PAD

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8. PROVIDE GATE VALVE ISOLATION FOR PUMPS. DO NOT USE BUTTERFLY VALVES

SEMI-INSTANTANEOUS WATER HEATER SCHEDULE										
TAG	SYSTEM	LOCATION	TEMP RANGE	MAX CONT WATER FLOW RATE	ELECTRICAL	CONTROL VALVE	STEAM SUPPLY PRESSURE	STEAM FLOW LBS/HR (15-PSIG STEAM)	ELECTRIC REQUIREMENTS	BASIS OF DESIGN
SWH-1	DOUBLE WALL SEMI-INSTANTANEOUS WATER HEATER STEAM TO WATER	BUILDING 1 5TH FLOOR NORTH MECH. ROOM	50°F TO 150°F	50 GPM	120/60/1 5A	ELECTRICAL	15 PSIG	2,643	120/60/1 15A	AERCO INTERNATIONAL 4 OF SWDW-45
<div>NOTES:</div> <div><div>1. PROVIDE ELECTRONIC CONTROL SYSTEM W/ELECTRONIC VALVE.</div><div>2. PROVIDE GATEWAY TO PERMIT MODBUS CONTROL INTEGRATION WITH JOHNSON CONTROLS BAS. (AS REQUIRED)</div><div>3. PROVIDE INTEGRAL BRONZE CIRCULATOR W/ HEATER</div><div>4. INSTALL UNITS ON 4" CONCRETE HOUSEKEEPING PAD.</div><div>5. FURNISH MANUFACTURER-SUPPLIED INSULATION BLANKET FOR EACH UNIT.</div></div>										

Veteran
Affairs



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Drawing Title
PLUMBING SCHEDULES
Facility Project Name
DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER WILKES-BARRE, PA

Project Title PLUMBING SYSTEM UPGRADE PHASE II		
Building Number	Checked L.J.M.	Drawn C.E.T.
Location WILKES-BARRE, PENNSYLVANIA		