

three eighths inch = one foot
one and one half inches = one foot
one inch = one foot
one eighth inch = one foot
three quarters inch = one foot
one half inch = one foot
one eighth inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

120V CONTROL VALVES		
LOCATION	VALVE DESCRIPTION	SOURCE (SEE PLAN FOR CIRCUIT NUMBERS)
DEAERATOR	OVERFLOW	BP1
DEAERATOR	WATER LEVEL CONTROL	
DEAERATOR	CONDENSATE TRANSFER CONTROL	BP1
DEAERATOR	SOFTENED WATER LEVEL CONTROL	
CONDENSATE SURGE TANK	WATER LEVEL CONTROL	BP1
CONDENSATE SURGE TANK	RAW WATER CONTROL	
B-1	FEEDWATER	BP1
B-2	FEEDWATER	
B-3	FEEDWATER	BP2
CONTINUOUS BLOWDOWN	CONTROL VALVES (VIA CONTROL PANEL)	BP1
BOTTOM BLOWDOWN	CONTROL VALVES (VIA CONTROL PANEL)	BP1

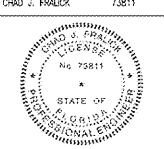
NOTE:
CONTRACTOR SHALL PROVIDE 120V POWER TO EACH OF THE VALVES LISTED ABOVE. ITEMS LISTED AS "VIA CONTROL PANEL" SHALL RECEIVE SINGLE POINT CONNECTION AT CONTROL PANEL. SEE MECHANICAL PLANS AND SECTIONS FOR LOCATIONS OF VALVES.

EQUIPMENT SCHEDULE										
MARK	DESCRIPTION	HP	FLA	KW	BKR	CIRCUIT	FEEDER AND CONDUIT	CIRCUIT VOLTS/PH	DISCONNECT	STARTER
AC-1	CONTROL ROOM SPLIT SYSTEM	MULT.	20	3.328	40	SEE PLAN	2#8, #10G, 3/4"C.	208/1	60A 3P NF HD NEMA 3R	INTEGRAL TO UNIT
AC-2	CONTROL ROOM SPLIT SYSTEM (BACKUP)	MULT.	20	3.328	40	SEE PLAN	2#8, #10G, 3/4"C.	208/1	60A 3P NF HD NEMA 3R	INTEGRAL TO UNIT
AC-3	LOCKERS SPLIT SYSTEM	MULT.	12	1.9888	30	SEE PLAN	2#10, #10G, 3/4"C.	208/1	30A 3P NF HD NEMA 3R	INTEGRAL TO UNIT
AC-4	STORAGE ROOM SPLIT SYSTEM	MULT.	12	1.9888	30	SEE PLAN	2#10, #10G, 3/4"C.	208/1	30A 3P NF HD NEMA 3R	INTEGRAL TO UNIT
AC-B-1	BOILER AIR COMPRESSOR	15	21	11.2	40	SEE PLAN	3#8, #10G, 3/4"C.	480/3	60A 3P NF HD NEMA 1	INTEGRAL TO UNIT
AC-B-2	BOILER AIR COMPRESSOR	15	21	11.2	40	SEE PLAN	3#8, #10G, 3/4"C.	480/3	60A 3P NF HD NEMA 1	INTEGRAL TO UNIT
AC-B-3	BOILER AIR COMPRESSOR	15	21	11.2	40	SEE PLAN	3#8, #10G, 3/4"C.	480/3	60A 3P NF HD NEMA 1	INTEGRAL TO UNIT
B-1	BOILER COMBUSTION FAN	40	52	29.8	70	SEE PLAN	3#4, #8G, 1-1/4"C.	480/3		VFD
B-2	BOILER COMBUSTION FAN	40	52	29.8	70	SEE PLAN	3#4, #8G, 1-1/4"C.	480/3		VFD
B-3	BOILER COMBUSTION FAN	40	52	29.8	70	SEE PLAN	3#4, #8G, 1-1/4"C.	480/3		VFD
BFP-1	FEEDWATER PUMP	10	14	7.5	25	SEE PLAN	3#10, #10G, 3/4"C.	480/3		VFD
BFP-2	FEEDWATER PUMP	10	14	7.5	25	SEE PLAN	3#10, #10G, 3/4"C.	480/3		VFD
BFP-3	FEEDWATER PUMP	10	14	7.5	25	SEE PLAN	3#10, #10G, 3/4"C.	480/3		VFD
CP-1	DOMESTIC HOT WATER RECIRCULATION PUMP	1/12	<2	<0.2	2	SEE PLAN	2#12, #12G, 3/4"C.	120/1	PROVIDE CORD AND PLUG	CONTROLLED VIA FIVE TEMP SENSOR PER DIV 22
CRU-1	CONDENSATE RETURN UNIT	3/4	1.6	0.8	20	SEE PLAN	3#12, #12G, 3/4"C.	480/3	30A 3P NF HD NEMA 1	INTEGRAL TO UNIT
CTP-1	CONDENSATE PUMP	10	14	7.5	25	SEE PLAN	3#10, #10G, 3/4"C.	480/3	FVNR, NF DISC. SW. TYPE, THERMAL OVERLOAD RELAYS, NEMA 1 ENCL., NEMA SIZE 1	
CTP-2	CONDENSATE PUMP	10	14	7.5	25	SEE PLAN	3#10, #10G, 3/4"C.	480/3	FVNR, NF DISC. SW. TYPE, THERMAL OVERLOAD RELAYS, NEMA 1 ENCL., NEMA SIZE 1	
CTP-3	CONDENSATE PUMP	10	14	7.5	25	SEE PLAN	3#10, #10G, 3/4"C.	480/3	FVNR, NF DISC. SW. TYPE, THERMAL OVERLOAD RELAYS, NEMA 1 ENCL., NEMA SIZE 1	
EF-1	EXHAUST	1/4	5.6	0.2	20	SEE PLAN	2#12, #12G, 3/4"C.	120/1		INTEGRAL TO UNIT
FOP-1&2	FUEL OIL PUMPS	(2) 0.75	(2) 1.6	1.1	20	SEE PLAN	3#12, #12G, 3/4"C.	480/3		INTEGRAL TO UNIT
HV-B-1	HEATING & VENTILATION UNIT ABOVE BOILER	15	21	11.2	40	SEE PLAN	3#8, #10G, 3/4"C.	480/3	FVNR, NF DISC. SW. TYPE, THERMAL OVERLOAD RELAYS, NEMA 1 ENCL., NEMA SIZE 2	
HV-B-2	HEATING & VENTILATION UNIT ABOVE BOILER	15	21	11.2	40	SEE PLAN	3#8, #10G, 3/4"C.	480/3	FVNR, NF DISC. SW. TYPE, THERMAL OVERLOAD RELAYS, NEMA 1 ENCL., NEMA SIZE 2	
HV-B-3	HEATING & VENTILATION UNIT ABOVE BOILER	15	21	11.2	40	SEE PLAN	3#8, #10G, 3/4"C.	480/3	FVNR, NF DISC. SW. TYPE, THERMAL OVERLOAD RELAYS, NEMA 1 ENCL., NEMA SIZE 2	
LPP	PROPANE PILOT CIRCUIT	N/A	0	0	20	SEE PLAN	3#12, #12G, 3/4"C.	120/1	PROVIDE CORD AND PLUG	INTEGRAL TO UNIT
RTU-1	OUTSIDE AIR UNIT	MULT.	10	-7	15	SEE PLAN	3#12, #12G, 3/4"C.	480/3		INTEGRAL TO UNIT
SC-1	TOOLS AIR COMPRESSOR	10	14	7.5	25	SEE PLAN	3#10, #10G, 3/4"C.	480/3	30A 3P NF HD NEMA 1	INTEGRAL TO UNIT
SCR-1	SAMPLE COOLER RACK	N/A	<1	<0.2	20	SEE PLAN	2#12, #12G, 3/4"C.	120/1	PROVIDE CORD AND PLUG	INTEGRAL TO UNIT
SP-1	BLOW DOWN SUMP PUMP	3	4.8	2.2	20	SEE PLAN	3#12, #12G, 3/4"C.	480/3	30A 3P NF HD NEMA 1	INTEGRAL TO UNIT
UH (TYP. OF 7)	UNIT HEATER (MULTIPLE)	N/A	<1	16W	20	SEE PLAN	2#12, #12G, 3/4"C.	120/1	PROVIDE CORD AND PLUG	INTEGRAL TO UNIT
WH-1	WATER HEATER	N/A	21.6	4.5	30	SEE PLAN	2#10, #10G, 3/4"C.	208/1	30A 3P NF HD NEMA 1	INTEGRAL TO UNIT
WSF-1	WATER SOFTENER	N/A	<1	<0.2	20	SEE PLAN	2#12, #12G, 3/4"C.	120/1	PROVIDE CORD AND PLUG	INTEGRAL TO UNIT

NOTE:
BREAKER, RACEWAY, CONDUCTOR, AND DISCONNECT SWITCH SIZES INDICATED IN SCHEDULE ABOVE ARE BASIS OF DESIGN VALUES. EXACT ELECTRICAL EQUIPMENT SIZES AND RATINGS SHALL BE PROVIDED BASED ON THE APPROVED SHOP DRAWINGS AND THE EQUIPMENT MANUFACTURER'S NAMEPLATE M.O.C.P. (MAXIMUM OVERCURRENT PROTECTION) VALUE. TERMINATION LOCATION ON EQUIPMENT SHALL BE BASED ON APPROVED SHOP DRAWINGS.

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FINAL DESIGN
APPROVED FOR CONSTRUCTION

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