

HOT WATER UNIT HEATER SCHEDULE										
MARK NO.	LOCATION	CAPACITY Mbbh	CFM	MOUNTING HEIGHT FEET	MAX. RPM	APPROX. MOTOR H.P.	*ELECTRICAL REQUIREMENTS	WATER GPM	PRESSURE DROP FEET OF WATER	REMARKS
UH-1	NCT USED									
UH-2	NCT USED									
UH-3	COMM. ACCESS	20.0	1500	8	1750	1/8		3.0	0.1	EXPLOSIONPROOF C.I. COIL
UH-4	SCALE ROOM	35.7	2600	8	1150	1/6		4.0	0.2	C.I. COIL
UH-5	CHLORINE ROOM	20.0	1500	8	1750	1/8		3.0	0.1	C.I. COIL
UH-6	SO ₂ ROOM	20.0	1500	8	1750	1/8		3.0	0.1	C.I. COIL
UH-7	LIME STORAGE	20.0	1500	8	1750	1/8		3.0	0.1	C.I. COIL
UH-8	BOILER ROOM	45.0	1200	7	1550	1/12		3.0	0.3	
UH-9	GARAGE MAINTENANCE	62.5	1530	10	1550	1/8		6.5	0.8	
UH-10	GARAGE MAINTENANCE	62.5	1530	10	1550	1/8		6.5	0.8	
UH-11	TRUCKWAY	62.5	1530	10	1550	1/8		6.5	0.8	
UH-12	GARAGE MAINTENANCE	19.1	540	8	1550	1/30		2.0	0.1	
UH-13	GARAGE MAINTENANCE	19.1	540	8	1550	1/30		2.0	0.1	
UH-14	MECHANICAL ROOM NO. 2	19.1	540	8	1550	1/30		2.0	0.1	
UH-15	FILTER AREA	19.1	540	8	1550	1/30		2.0	0.1	
UH-16	FILTER AREA	19.1	540	8	1550	1/30		2.0	0.1	
UH-17	FILTER AREA	19.1	540	8	1550	1/30		2.0	0.1	
UH-18	FILTER AREA	19.1	540	8	1550	1/30		2.0	0.1	
UH-19	FILTER AREA	19.1	540	8	1550	1/30		2.0	0.1	
UH-20	VACUUM ROOM	19.1	540	8	1550	1/30		2.0	0.1	
UH-21	MECHANICAL ROOM NO. 1	19.1	540	8	1550	1/30		2.0	0.1	
UH-22	BLOWER ROOM	45.0	1200	9	1550	1/12		3.0	0.3	
UH-23	PUMP GALLERY	85.0	2380	9	1100	1/6		4.0	0.6	
UH-24	PUMP GALLERY	85.0	2380	9	1100	1/6		4.0	0.6	
UH-25	STAIR BLDG. NO. 1	30.0	810	9	1550	1/20		2.5	0.2	
UH-26	CORRIDOR	34.0	810	9	1550	1/20		3.5	0.3	
UH-27	CORRIDOR	34.0	810	9	1550	1/20		3.5	0.3	
UH-28	PUMP GALLERY	74.0	1760	9	1100	1/8		5.0	0.7	
UH-29	STAIR BLDG. NO. 2	40.0	1100	9	1550	1/8		4.0	0.3	
UH-30	PUMP GALLERY	74.0	1760	9	1100	1/8		5.0	0.7	
UH-31	MCC ROOM	19.1	540	8	1550	1/30		2.0	0.1	
UH-32	GENERATOR ROOM	19.1	540	8	1550	1/30		2.0	0.1	
UH-33	LOBBY	25.0	300	IN CEILING SPACE	1075	1/20		2.0	1.4	HORIZONTAL CABINET TYPE 0.10" EXT. S.P.

CAPACITIES BASED ON 200°F ENTERING WATER, 60°F ENTERING AIR - * ALL 120/1/60 UNLESS OTHERWISE NOTED

AIR COMPRESSOR SCHEDULE								
DESIGNATION	LOCATION	CAPACITY FREE AIR CFM	MAXIMUM PRESSURE	MOTOR RPM	MINIMUM MOTOR H.P.	ELECTRICAL REQUIREMENTS	TYPE	REMARKS
AC-1	MAINTENANCE ROOM	12.0	175	1750	3	460/3/60	TWO-STAGE AIR COOLED	DUPLEX COMPRESSOR MTD. ON 80 GALLON RECEIVER

SUMP PUMP SCHEDULE									
DESIGNATION	LOCATION	CAPACITY (GPM)	HEAD (FT.)	SPEED (RPM)	APPROX. MOTOR H.P.	ELECTRICAL REQUIREMENTS	ARRANGEMENT	TYPE	REMARKS
SP-1	SUB-BASEMENT	50	24	1750	1 1/2	460/3/60	SIMPLEX	SUBMERSIBLE NON-CLOG	3-IN. DISCHARGE TO WET WELL & INFLUENT CHANNEL
SP-2, SP-3	PRIMARY PUMP GALLERY	60	24	1735	3	460/3/60	DUPLEX	SUBMERSIBLE TORQUE-FLOW	3-IN. DISCHARGE TO AERATION TANK 1
SP-4	PRIMARY PUMP GALLERY	60	24	1735	3	460/3/60	SIMPLEX	SUBMERSIBLE TORQUE-FLOW	3-IN. DISCHARGE TO AERATION TANK 1
SP-5, SP-6	SECONDARY PUMP GALLERY	60	21.5	1735	3	460/3/60	DUPLEX	SUBMERSIBLE TORQUE-FLOW	3-IN. DISCHARGE TO AERATION TANK 1
SP-7	SECONDARY PUMP GALLERY	60	21.5	1735	3	460/3/60	SIMPLEX	SUBMERSIBLE TORQUE-FLOW	3-IN. DISCHARGE TO AERATION TANK 2

PRESSURE REDUCING VALVE SCHEDULE				
MARK NO.	INLET PRESSURE PSIG	OUTLET PRESSURE PSIG	CAPACITY G.P.M.	REMARKS
PRV-1	115	65	80	10PSI FALL-OFF PRESSURE
PRV-2	100	70	210	20PSI FALL-OFF PRESSURE

WATER HEATER SCHEDULE				
DESIGNATION	STORAGE CAP. GALS.	RECOVERY GPH -100° RISE	HEATER TYPE	REMARKS
WH-1	120	72	ELECTRIC GLASS LINED	18 KW HEATING COIL 480V, 3 PH., 60 HZ.
WH-2	6	6	ELECTRIC GLASS LINED	1.5 KW HEATING COIL 120V, 1 PH., 60 HZ.
WH-3	6	6	ELECTRIC GLASS LINED	1.5 KW HEATING COIL 120V, 1 PH., 60 HZ.

WATER BOOSTER PUMP SCHEDULE										
DESIGNATION	LOCATION	CAPACITY (GPM)	HEAD (FT)	SPEED (RPM)	MIN. MOTOR H. P.	ELEC. REQ'TS	TYPE DRIVE	TYPE SEAL	TYPE	REMARKS
BP-1, 2	PUMP GALLERY	70	150	1750	10	460/3/60	DIRECT (CLOSE COUPLED)	MECH	CENTRIFUGAL HORIZONTAL	SINGLE STAGE 2" SECTION 1 1/2" DISCHARGE

AIR COMPRESSOR SCHEDULE (HYDROPNEUMATIC SYSTEM)									
DESIGNATION	LOCATION	CAPACITY ACFM	MAX. PRESS. (PSI)	MOTOR RPM	MAX. COMP. RPM	MIN. MOTOR H.P.	ELEC. REQ'TS	TYPE	REMARKS
AC-1, 2	PUMP GALLERY	5.65	100	1750	850	1 1/2	460/3/60	SINGLE-STAGE AIR COOLED	

SEAL WATER PUMP SCHEDULE										
DESIGNATION	LOCATION	CAPACITY (GPM)	HEAD (FT)	SPEED (RPM)	MIN. MOTOR H.P.	ELEC. REQ'TS	TYPE DRIVE	TYPE SEAL	TYPE	REMARKS
SWP-1, 2	OPERATIONS BUILDING - FIRST FLOOR	5	40	3500	1/3	115/1/60	DIRECT (CLOSE COUPLED)	MECH	CENTRIFUGAL HORIZONTAL	EXPLOSIONPROOF MOTOR

RECORD DRAWING

DRAWN BY <i>B. E. Fabbri</i>				DEPT. CHECK <i>B. E. Fabbri</i>				PROJ. CHECK <i>R. J. Marshall</i>				MICHAEL EUGENE GRILLI No. 3620 REG. PROF. ENGR. MASS. NO. 6381				M&E METCALF & EDDY, INC. / ENGINEERS BOSTON / NEW YORK / PALO ALTO / CHICAGO <i>Lawrence E. Tarkenton</i> REG. PROF. ENGR. <i>Michael E. Tarkenton</i> REG. PROF. ENGR. No. 3620				SCALE: NONE				TOWN OF BURRILLVILLE, RHODE ISLAND BOARD OF SEWER COMMISSIONERS WASTEWATER TREATMENT FACILITIES SCHEDULES II H.V.S.C. & PLUMBING				JOB 4868 FILE NO. H-69954-1 SHEET M-30			
NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS																											
18/1/77	D.B.	R. E. Fabbri		ADDED SCHEDULES																											