Roxbury Elementary School HVAC Inspections/Evaluations:

HVAC Equipment	Manufacture & Year	MODEL #	SERIAL #	TYPE	AREA SERVED	CONDITION	OPERATIONAL		ECONOMIZER	ELECT HEAT AMPS	EXHAUST FAN MOTOR	COMP AMPS AVG.	BLOWER AMPS	UNIT VOLT/PHASE	DD OR BELT	FILTER SIZE/QTY	NOTES:
RTU-1	TRANE 1997	WCC048F300-BD	M212JX728	HEAT PUMP	100 WING	POOR	YES		YES not operational	30.1		7.8A	3.2	208/230-3PH	DD	10X24X1 = 3	Unit is in POOR condition, broken economizer control linkages and motor actuator. Coils are in rough shape, condenser fan motor is weak and overall condition is POOR. Recommend the unit be replaced instead of repaired due to age and condition.
RTU-2	TRANE 1997	WCC048F300-BD	M2117E2H	HEAT PUMP	500 WING	POOR	NO		YES				4.5	208/230-3PH	DD	10X24X1 = 3	UNIt is in POOR condition, Failed grounded compressor, disconnected electrically. Only electric heat and blower works. Coils are in rough shape and overall condition is POOR. Recommend the unit be replaced instead of repaired due to age and condition. Economizer linkages are jammed and stuck in partial open position.
RTU-3	TRANE	WSC060A3RGA1P	5331026621	HEAT PUMP	100 WING	FAIR	YES		NO- BAD MOTOR/ACTUATOR	30.1A		10.6A	5	208/230-3PH	DD	20X25X1 (2)	Unit is in GOOD condition but needs minor repairs. Recommend replacing the electric heater element and contactor.Unit is also close to the edge of the roof and should have a safety perimeter fence around it.
RTU-4	TRANE	WSC060A3RGA	5331028111	HEAT PUMP	100 WING	GOOD	YES		YES	FAILED HEATER		10.5A	4	208/230-3PH	DD	20X25X1 (2)	Unit is in GOOD condition but needs minor repairs. Recommend replacing the electric heater element and contactor.Unit is also close to the edge of the roof and should have a safety perimeter fence around it.
RTU-5	TRANE	WSC060A3RGA	533102738L	HEAT PUMP	500 WING	FAIR	YES		YES 10%	31 AVG		9.8A	5.5	208/230-3PH	DD	20X25X1 (2)	Unit is in FAIR condition. The economizer has missing parts and a broken hinge. One of the Electric heat banks is broken. The unit needs repairs and a thorough service.
RTU-6	TRANE	WSC060A3RGA	533102660L	HEAT PUMP	500 WING	FAIR	NO		NO OPERABLE	1 LEG IS BAD			5.2	208/230-3PH	DD	20X25X1 (2)	Unit is in FAIR condition. The compressor circuit is Flat and system's charge is gone. Economizer is broken and the Electric Heat elements are bad. Recommend Full unit replacement due to Overall repair costs being higher then replacement.
RTU-7	UNKNOWN	NA	NA	AC W/ ELECT HEAT	500 WING	BAD	NO		NO				2.4	208/230-3PH	DD	15X30X1 (2)	Unit is in BAD condition. Compressor runs but immediately trips off on High pressure in the Heating mode. In cooling mode it freezes up. Electric heaters are broken and Drain pan has holes in it. Recommend Full unit replacement.
RTU-8	UNKNOWN	NA	NA	AC W/ ELECT HEAT	500 WING	BAD	NO		NO	32A			2.1	208/230-3PH	DD	20X20X1 (1)	Unit is in BAD condition. The compressor circuit is Flat and system's charge is gone. Economizer is broken and ONE of the Electric Heat elements are bad. Recommend Full unit replacement due to Overall repair costs being higher then replacement.
RTU-9	McQUAY	RPS042DLA	FBOU120801408	RTU	MEDIA	NEWER	YES		YES @10% MIN	NAT GAS HEAT	POWER EXH 9A W/ A67 (2) BELTS	20A EACH OF THE 4 STAGES	15	208/230-3PH	BELT	BX-41 (2)	Unit is in Good condition and is Newer. Unit is fully operational, Condenser coils and Evaporator coils should be cleaned. No further actions needed for this system.
RTU-10																	
EXHAUST FANS	Manufacture & Year	MODEL #	SERIAL #	TYPE	AREA SERVED	CONDITION	OPERATIONAL		BELT ALIGNMENT	SHEAVE CONDITION	MOTOR HP	RPMS	MOTOR AMPS	UNIT VOLT/PHASE	DD OR BELT	BELT SIZE & QTY	NOTES:
EF-1	NA	NA	NA	MUSHROOM	UNKNOWN	POOR	YES		YES	FAIR	1/6HP	1725	3.9	115VAC	BELT	4L210 (1)	Exhaust Fan is in POOR condition. Due to age and condition Recommend full unit replacement.
EF-2	NA	NA	NA	MUSHROOM	UNKNOWN	POOR	YES		YES	FAIR	NA	NA	10.4	115VAC	BELT	3L260 (1)	Exhaust Fan is in POOR condition. Due to age and condition Recommend full unit replacement.
EF-3	NA	NA	NA	MUSHROOM	UNKNOWN	POOR	YES		NO	FAIR	1/6HP	1725	3.1	115VAC	BELT	4L230 (1)	Exhaust Fan is in POOR condition. Due to age and condition Recommend full unit replacement.
EF-4	NA	NA	NA	MUSHROOM	UNKNOWN	POOR	NO POWER TO FAN		NO	POOR	NA	1725		115VAC	BELT	4L230 (1)	
EF-6	NA	NA	NA	MUSHROOM	UNKNOWN	POOR	NO POWER TO FAN		YES	FAIR	0.5HP	1725		115VAC	BELT	AX-36 (1)	Exhaust Fan is in POOR condition. Due to age and condition Recommend full unit replacement.
EF-7	NA	NA	NA	MUSHROOM	UNKNOWN	POOR	NO POWER TO FAN							115VAC	DD		Exhaust Fan is in POOR condition. Due to age and condition Recommend full unit replacement.
EF-8	NA	NA	NA	MUSHROOM	CAFÉ	POOR	NO POWER TO FAN		YES	POOR	1/3HP	UNKNOWN		208VAC	BELT	4L-270 (1)	Exhaust Fan is in POOR condition. Due to age and condition Recommend full unit replacement.
EF-9	CARNES	NA	NA	MUSHROOM	UNKNOWN	FAIR	NO POWER TO FAN		NO	POOR	0.5HP	1725		208VAC	BELT	AX-38 (1)	Exhaust Fan is in POOR condition. Due to age and condition Recommend full unit replacement.
EF-10	NA	NA	NA	MUSHROOM	GYM	ABANDONED											
EF-11																	
INTAKE FANS	Manufacture & Year	MODEL #	SERIAL #	TYPE	AREA SERVED	CONDITION	OPERATIONAL	FILTER SIZE/QTY	BELT ALIGNMENT	SHEAVE CONDITION	MOTOR HP	RPMS	MOTOR AMPS	UNIT VOLT/PHASE	DD OR BELT	BELT SIZE/QTY	
FA-1	CARNES	NA	NA	MAU	UNKNOWN	POOR	NO POWER TO FAN	WASHABLE	YES	POOR	1/2HP	1750		115-1	BELT	AX-38 (1)	FA/MAU is in POOR condition. Due to age and condition Recommend full unit replacement vs. repair.
FA-2	CAPTIVE AIRE	NCA16FA	1798563-2	MAU	KITCHEN	GOOD	YES	WASHABLE	YES	GOOD	1HP	1730	2.8A	208-3	BELT	AX-28 (1)	MAU is in GOOD condition and is Newer. No actions needed at this time.
FA-3	NA	NA	NA	MAU	UNKNOWN	POOR	YES	WASHABLE	NO	FAIR	5HP	1740		208-3	BELT	AX-65 (2)	FA/MAU is in POOR condition. Due to age and condition Recommend full unit replacement vs. repair.
FA-4	CAPTIVE AIRE	NCA10FA	1798563-1	MAU	KITCHEN	NEW	YES	WASHABLE	YES	GOOD	1/2HP	1750	1.3A	208-3	BELT	AX-20 (1)	MAU is in GOOD condition and is Newer. No actions needed at this time.
FA-5	NA	NA	NA	MAU	UNKNOWN	POOR	NO POWER TO FAN	WASHABLE	YES	FAIR	1/2HP	1750		115-1	BELT	?	FA/MAU is in POOR condition. Missing belt. Due to age and condition Recommend full unit replacement vs. repair.
FA-6	CARNES	NA	NA	MAU	UNKNOWN	POOR	YES	WASHABLE	YES	POOR	3/4HP	1725	2.1A	208-1	BELT	AX-38 (1)	FA/MAU is in POOR condition. Due to age and condition Recommend full unit replacement vs. repair.
FA-7																	