Still Meadow Elementary School HVAC Inspections/Evaluations:

HVAC Equipment	Manufacture & Year	MODEL #	SERIAL #	TYPE	AREA SERVED	CONDITION	OPERATIONAL	ECONOMIZER	Heat Exchanger Condition	CPM/PRESSOR AMPS	FILTER SIZE/QTY	BLOWER AMPS AND MOTOR HP	SF VFD and Frequency	UNIT VOLT/PHASE	DD OR BELT	SUPPLY FAN BELT SIZE & QTY	RETURN FAN BELT SIZE & QTY	NOTES:	Updated Notes:
RTU-1	Lennox 2003	LGA180HH2G	5603E06159	GAS/ELECTRIC	MEDIA CENTER	FAIR	YES	YES - SET TO 0% OPEN	GOOD	2-STAGE 9.0 (2) RLA 1&2 6.1A/ 6.4A AVG	24X24X2 (6)	6.4 FLA 5HP / 4.6A AVG	NA	460-3PH	BELT	BX62 (1)	NA	**Unit is in FAIR condition but is nearing the end of its Life expectancey (17 years old). Multiple minor issues with the unit that can be repaired. Filters and Belt, contactors and condensate trap need to be replaced. Belt needs to aligned and motor sheave should be replaced. Condenser and Evap coils are dirty and need to be cleaned. Recommend repairs and cleaning services be done to prolong units life.**	
RTU-2	Lennox 2003	LGA090HS2G	5603E06531	GAS/ELECTRIC	MAIN OFFICES	FAIR	YES	YES - SET TO 0% OPEN	GOOD	2-STAGE 6.4 (2) RLA 1&2 0.0/4.10A AVG	18X24X2 (4)	3.15 FLA 2HP / 3.2 AVG	NA	460-3PH	BELT	AX46 (1)	NA	**Unit is in FAIR condition but is nearing the end of its Life expectancey (16 years old). Compressor 1st stage is disconnected at contactor. Ohmed out compressor ok. Hooked up wires and tested operation. Compressor pumps down, has a restricted TXV, need to replace the TXV. Need to replace ALL of the units electrical Contactors. Condensate trap on outside of RTU is broken and needs to be replaced. Condenser and Evap coils are dirty and need to be cleaned. Recommend repairs and cleaning services be done to prolong units life.**	
RTU-3	McQuay 5/2003	RPS036CLA	FBOU030501061 00 X9 749033 010	GAS/ELECTRIC	CLASSROOMS	FAIR	YES	YES - SET TO 0% OPEN	BAD	2-STAGE 11.0/17.0 RLA 1&2 9.0/16.6 AVG	16X20X2 (10) 16X25X2 (10)	18.9 FLA 15HP / 7.1A AVG	YES @ 47.30 HZ	460-3PH	BELT	BX65 (2)	6.8 FLA 5HP / A-68 (1)	**Unit is in FAIR condition but is nearing the end of its Life expectancey (16 years old). Idler pulley belt adjuster for Return Fan is broken RF not operational. CCH Crankcase heaters for both circuits are bad. Unit has a rotted Heat Exchanger HX and is shut down. Circuit #2 has a large refrigerant leak and is inoperable. The IDF motor has noisy bearings, belts and filters and sheaves need to be replaced. Condenser and Evaporator coils are dirty and need to be cleaned. Recommend repairs and cleaning services be done to prolong units life.**	
RTU-4	McQuay 5/2003	RPS025CLA	FBOU030501056 00 X9 749033 060	GAS/ELECTRIC	CLASSROOMS	FAIR	YES	YES - SET TO 0% OPEN	GOOD	2-STAGE 22.0/11.0 RLA 1&2 15.7/ 0.0 AVG	16X20X2 (10) 16X25X2 (10)	18.9 FLA 15HP / 13.3A AVG	YES @ 54.60 HZ	460-3PH	BELT	BX61 (2)	6.50 FLA 5HP / 5.6 A AVG A-68 (1)	**Unit is in FAIR condition but is nearing the end of its Life expectancey (16 years old). CCH Crankcase heaters for both circuits are bad. Compressor #1 has a bad HPS and is in alarm. Reset and Alarm comes back. Need to further investigate to determine problem. Condenser and Evaporator coils are dirty and need to be cleaned. Recommend repairs and cleaning services be done to prolong units life.**	
RTU-5	McQuay 5/2003	RPS036CLA	FBOU030501057 00 X9 749033 030	GAS/ELECTRIC	CLASSROOMS	FAIR	YES	YES - SET TO 0% OPEN	GOOD	2-STAGE 11.0/17.0 RLA 1&2 9.0A/12.53A AVG	16X20X2 (10) 16X25X2 (10)	12.9 FLA 10HP / 7.1A AVG	YES @ 60 HZ	460-3PH	BELT	BX61 (2)	6.8 FLA 5HP / 3.4A AVG @ 12HZ AX60 (1)	**Unit is in FAIR condition but is nearing the end of its Life expectancey (16 years old). CCH Crankcase heaters for both circuits are bad. Unit's main controller states no communications and butons do not work, but unit is running in Cooling mode. Unable to place unit into manual test modes to test heat. HX is okay. Need to further investigate to determine problem. Condenser and Evaporator coils are dirty and need to be cleaned. Recommend repairs and cleaning services be done to prolong units life.**	
AHU-6	McQuay 5/2003 SPLIT SYSTEM	RFS020CSA	FBOU0305100600 X9 749033 040	GAS/ELECTRIC	CLASSROOMS	FAIR	YES	YES - SET TO 0% OPEN	GOOD	2-STAGE	16X20X2 (10) 16X25X2 (10)	12.9 FLA 10HP / 6.0A AVG	YES @ 25 HZ	460-3PH	BELT	BX56 (2)	4.1 FLA 3HP / 3.4A AVG @21 HZ AX66 (1)	**Unit is in FAIR condition but is nearing the end of its Life expectancey (16 years old). Unit needs Filters and Belts replaced. Blower SF/RF bearings are noisy and sheaves are worn bad, motor contactors need to be replaced. HX okay. Evap coil is dirty and condensate trap is broken. Recommend repairs and cleaning services be done to prolong units life.**	
CCU-6	McQuay 5/2003 SPLIT SYSTEM	RCS020CYY	FBOU03050100900 C9 794033 050	COOLING ONLY	CLASSROOMS	FAIR	YES	YES - SET TO 0% OPEN	NA	2-STAGE 11.0/24.0 RLA 1&2 10.4A/ 24.7A AVG Pulling High Amps both compressors	NA	NA	NA	460-3PH	NA	NA	NA	**Unit is in FAIR condition but is nearing the end of its Life expectancey (16 years old). CCH Crankcase heaters for both circuits are bad. Condenser coils are dirty and need to be cleaned. Recommend repairs and cleaning services be done to prolong units life.**	
RTU-7	McQuay 5/2003	RPS020CSA	FBOU03050105800 X9 794033 020	GAS/ELECTRIC	CLASSROOMS	FAIR	YES	YES - SET TO 0% OPEN	GOOD	2-STAGE 11.0/24.0 RLA 1&2 9.6A/ 16.8A AVG	16X20X2 (10) 16X25X2 (10)	12.9 FLA 10HP / 13.9A AVG Pulling High Motor amps	YES @ 60 HZ	460-3PH	BELT	BX57 (2)	4.1 FLA 3HP / 3.3A AVG @ 20HZ AX67 (1)	**Unit is in FAIR condition but is nearing the end of its Life expectancey (16 years old). CCH Crankcase heaters for both circuits are bad. DAT sensor is Bad. Circuit #2 low on charge and signs of oil leaks. Need to further investigate to determine problem. Condenser coil is impacted and Evaporator coil is dirty and needs to be cleaned. Recommend repairs and cleaning services be done to prolong units life.**	
HVU-8	CLIMATROL 1971	YJD-20AF5	100A71N-660	COOLING ONLY WITH HW REHEAT COILS IN DUCT WORK	CAFETERIA	POOR	YES	FRESH AIR MAKE UP BELIMO DAMPER	NA	2-STAGES	16X20X2 (2) 16X25X2 (2) 20X20X2 (2) 20X25X2 (2)	7.70 FLA 5HP / 4.7A AVG	NA	460-3PH	BELT	B71 (1)	NA	**AHU is 1971 almost 50 years old. Operational but in rough condition. Unit is Cooling only but has has inline Hot Water Coils in the duct work above the Cafeteria ceiling. Unsure what controls the HW coils, unable to access them without a lift. Recommend replacing the Filters, Belt and sheaves.**	
CCU-8	McQuay 5/2003	ACZ025AC27-ER10	STNU030600030	COOLING ONLY	CAFETERIA	FAIR	YES	NA	NA	2-STAGE 16.5 RLA BOTH STAGES TANDEM / 13.4A/ 0.0A AVG	NA	NA	NA	460-3PH	NA	NA	NA	**Unit is in FAIR condition but is nearing the end of its Life expectancey (16 years old). #2 Compressor unable to test, no setpoint adjustments within the controls. CCH Crankcase heaters for both circuits are bad. Condenser coils are dirty and need to be cleaned. Recommend repairs and cleaning services be done to prolong units life.**	
HVU-2	CLIMATROL 1971	YCC-13AAB	1000A71K-658	GAS HEAT ONLY	GYM	POOR	YES	FRESH AIR MAKE UP BELIMO DAMPER	GOOD	NA	20X20X2 (12)	7.70 FLA 5HP / 3.7A AVG	NA	460-3PH	BELT	B71 (1)	NA	**AHU is 1971 almost 50 years old. Operational but in rough condition. Unit has 2 Modine 200K BTUH's inline duct gas fired 80% furnaces. M# DFG200SFRNN14A1 S# 1012303-5206 & 5211. They are 2002 units and are in Fair condition. Recommend replacing the Filters, Belt and sheaves.**	
RTU-9	CARRIER 2001	50TCQA06A5A0A0A 0	3211C76256	ELECTRIC HEAT/ DX COOLING	PORTABLE CLASSROOMS	POOR	NO	NA	ELECTRIC HEATERS 208V/3 PH 10.4KW 53.0 FLA / 21.2A AVG	1-STAGE 15.6 RLA 10.7A AVG	16X16X2 (4)	5.20 FLA / 0.0A AVG	NA	208-3PH	BELT	AX43 (1)	NA	**RTU is in POOR Condition and is not running. No filters installed in unit and both stages of heat are jumped out. No power to Fan contactor. Multiple issues with this unit. Half the electric heaters work. Belt is broken. Condenser fan motor has bad motor bearings, unit is filthy on the inside. Recommend Full unit replacement.**	
RTU-10	AMERICAN STANDARD 2001	WSC060A3RGA15H1 00A1000000A	412102030L	ELECTRIC HEAT/ DX COOLING	PORTABLE CLASSROOMS	POOR	YES	NA	ELECTRIC HEATERS 208V/3 PH 12.1KW 34.9 FLA / 20.8A AVG	1-STAGE 20.7 RLA 15.3A AVG	20X25X2 (2)	5.5 FLA 0.5HP / 3.6A AVG	NA	208-3PH	DD	NA	NA	**RTU is in POOR Condition and is not running. No filters installed in unit and SF and compressor contactors are bad and need to be replaced. Unit is filthy on the inside wiring is in poor condition. Recommend Full unit replacement.**	

EXHAUST FANS	Manufacture & Year	MODEL #	SERIAL #	TYPE	AREA SERVED	CONDITION	OPERATIONAL	BELT ALIGNMENT	SHEAVE CONDITION	MOTOR HP	RPMS	MOTOR AMPS AVG		UNIT VOLT/PHASE	DD OR BELT	BELT SIZE & QTY	CURB DIMENSIONS	NOTES:	
EF-1 (G-95)	GREENHECK	G-095-D-X	15664886	MUSHROOM	UNKNOWN	GOOD	YES	NA	NA	1 /8HP	1550	2.6 FLA / 2.5A AVG		115VAC	DD	NA	15.5"x15.5"Curb. 17"x17" Fan	**Exhaust Fan is in FAIR condition. No actions needed at this time.**	
EF-2 (PR81)	GREENHECK	G-099-B-X	15664881	MUSHROOM	UNKNOWN	GOOD	YES	NA	NA	1 /6HP	1550	2.2 FLA / 1.7A AVG		115VAC	DD	NA	17.5"x17.5" Curb. 19.25"x19.25" Fan	**Exhaust Fan is in FAIR condition. No actions needed at this time.**	
EF-3 (PRN110)	GREENHECK	G-085-D-X	15664883	MUSHROOM	UNKNOWN	GOOD	YES	NA	NA	1/20HP	1550	1.2 FLA / 1.4A AVG		115VAC	DD	NA	17.5"x17.5" Curb. 19.5"x19.5" Fan 19.5"X19.5" / 17"X17" Adapter	**Exhaust Fan is in FAIR condition. No actions needed at this time. Fan is Smaller then the curb and has a increased adapter.**	
EF-4 (G75)	GREENHECK	G-090-G-X	15664884	MUSHROOM	UNKNOWN	GOOD	YES	NA	NA	1 /15HP	1550	1.2 FLA / 1.3A AVG		115VAC	DD	NA	17.5"x17.5" Curb. 17"x17" Fan 18"X18" / 15.5"X15.5" Adapter	**Exhaust Fan is in FAIR condition. No actions needed at this time. Fan is Smaller then the curb and has a increased adapter.**	
EF-5	COOK	GB-161-4	15664878	MUSHROOM	UNKNOWN	GOOD	YES	NA	NA	1/4HP	1725	4.6 FLA / 4.6A AVG		115VAC	BELT	3L230R	26"x26" Curb. 22"x22" Fan	**Exhaust Fan is in FAIR condition. No actions needed at this time.**	
EF-6 (PRN110)	GREENHECK	G-085-D-X	15664882	MUSHROOM	UNKNOWN	GOOD	YES	NA	NA	1/20HP	1550	1.2 FLA / 1.3A AVG		115VAC	DD	NA	17"x17" Curb. 17x17 Fan	**Exhaust Fan is in FAIR condition. No actions needed at this time.**	
EF-7 (G75)	GREENHECK	G-090-G-X	15664885	MUSHROOM	UNKNOWN	GOOD	YES	NA	NA	1/15HP	1550	1.2 FLA / 1.2A AVG		115VAC	DD	NA	17"x17" Curb. 17"x17" Fan 18"X18" / 15.5"X15.5" Adapter	**Exhaust Fan is in FAIR condition. No actions needed at this time. Fan is Smaller then the curb and has a increased adapter.**	
EF-8 (10D2)	GREENHECK	G-143-B-X	15664879	MUSHROOM	KITCHEN	GOOD	YES	NA	NA	1/4HP	1550	3.2 FLA / 3.2A AVG		115VAC	DD	NA	27"x27" Curb. 22"x22" Fan 21.5"X21.5" / 29"X29" Adapter	**Exhaust Fan is in FAIR condition. No actions needed at this time. Fan is Smaller then the curb and has a increased adapter.**	
EF-9 (P27J)	GREENHECK	G-203-C-X	15664880	MUSHROOM	KITCHEN	GOOD	YES	MA	NA	1HP	550	4.2 FLA / 3.5A AVG		208-3PH	DD	NA	27"x27" Curb. 22"x22" Fan 21.5"X21.5" / 29"X29" Adapter	**Exhaust Fan is in FAIR condition. Found the fan motor Extremley HOT and rotating slowly. Turned Power off to fan and Allowed Motor to Cool down. Checked the wiring and found out when it was installed it was wired for High Voltage 460/3ph. Rewired it for the Correct Voltage 208vac and tested. With correct power to motor motro is operating correclty. If this was not caught it would have burnt out the motor. No actions needed at this time.**	
FF-1 (F10)	SHELDONS	135	U-713171	INLINE BARRELL	GYM	FAIR	YES	NO	POOR	1 /3HP	1725	6.4 FLA / 6.2A AVG		115VAC	BELT	AX43 (1)	NA	**Exhaust Fan is in FAIR condition. Has bad blower bearings. Will need to remove fan to replace bearings. Due to age and condition Recommend full unit replacement.**	