

**Stamford High School HVAC Inspections/Evaluations: Building 27**

| HVAC Equipment                       | Location                           | Manufacture & Year     | MODEL #            | SERIAL #   | TYPE                               | AREA SERVED  | CONDITION | OPERATIONAL | ECONOMIZER                                  | ELECT HEAT AMPS | COMPRESSOR AMPS                                       | FILTER SIZE/QTY | BLOWER AMPS   | VFD Y/N AND OPERATING HZ% AT TIME OF TESTING. | UNIT VOLT/PHASE | DD OR BELT | SUPPLY FAN BELT SIZE & QTY | RETURN FAN BELT SIZE & QTY | NOTES:  | Updated Notes and follow up Repairs done:  |
|--------------------------------------|------------------------------------|------------------------|--------------------|------------|------------------------------------|--|-----------|-------------|---|-----------------|---|-----------------|---|---|-----------------|------------|----------------------------|----------------------------|---|--|
| AHU-A1 LEVEL A                       | Steeple Roof                       | Carrier 2005 - Split   | 39MW30BD7218212XXX | 1705F28670 | HW Heating/DX Cooling Split system | Upper 3rd floor Art Wing - 14 VAV zones                | FAIR      | YES         | YES - SET TO 0% OPEN                        | NA              | NA  | 24X24X2 (8)     | SF- 32 FLA /14.9 AVG /25 HP<br>RF -12.6 FLA / 10HP /6.0 AVG | SF-YES 42HZ<br>RF-YES 38.86HZ                 | 460-3PH         | BELT       | B78 (2)<br>SUPPLY FAN      | 1 - 5VX900<br>RETURN FAN   | AHU-1A: Is in POOR Condition. SF sheaves and belts are very worn and need to be replaced. RF has bad motor bearings and sheaves/belts are worn. RF door hinges are broken off unit. Filters in AHU are Plugged and HW/Evap coils are very dirty. Unit has a bad freeze stat. ODA damper actuator does not work. HW heating actuator is missing. HW coil froze and burst. Unit should be strongly considered for full replacement. Some of the VAVs are NR (not responsive.)   |  |
| CCU-A1                               | Steeple Roof                       | Carrier 2003 - Split   | 38AH - 044 -601    | 2203F34384 | HW Heating/DX Cooling Split system | Upper 3rd floor Art wing                               | FAIR      | YES         | NA  | NA              | 2-STAGE<br>1ST STAGE<br>INOPERABLE / #2-<br>28.52 AVG | NA              | NA  | NA  | 460-3PH         | NA         | NA                         | NA                         | CCU-A1: Is in POOR Condition. Compressor #1 is disconnected electrically. Oil and R-22 cans present at unit. Compressor contactor is welded shut. Possible bad compressor. Need to investigate further. Unit running only on 2nd stage compressor. #2 comp needs new contactor. Coils are dirty and noisy CF motors. No Power disconnect for unit. Unsafe. Unit needs minor repairs and further troubleshooting to determine condition of #1 compressor. TXV bulb for running circuit is outside the AHU on the suction line and is uninsulated and in direct sun light. This will cause refrigerant pressure issues with the system. Possible Liquid flood back to the compressor. Multiple issues with this system that need to be addressed. |  |
| ACU-B1 262 COMPUTER LAB              | Room 262                           | Magic Aire             | 60-HBAX-3          | W060571770 | HW Heating/DX Cooling Split system | 2nd Floor Computer Lab Room # 262                      | FAIR      | YES         | NA But does have fresh air manual damper    | NA              | 1-STAGE   | 20X20X2 (2)     | 1.9 FLA / 1.93AVG   | NA  | 460-3PH         | BELT       | A-48 (1)                   | NA                         | AHU is in FAIR/POOR condition. Condensate trap drain line is un-serviceable, no unions. Auxiliary drain pan under unit does not have a safety switch or a connected drain line. No cap on the pans outlet. Recommend replacing the worn belt & sheaves and re-piping the condensate drain line and pan as well as adding a secondary pan safety switch.   |  |
| CCU-2 (B1)                           | Steeple Roof                       | Carrier 2005 - Split   | 38CKC060-671       | 0705E04963 | Cooling Only                       | 2nd Floor Computer Lab Room # 262                      | FAIR      | YES         | NA  | NA              | 1-STAGE<br>8.0 RLA w/ AVG<br>6.6A                     | NA              | NA  | NA  | 460-3PH         | NA         | NA                         | NA                         | Unit is in FAIR/POOR condition but is nearing the end of its Life expectancy (14 years old) due to age and condition. Compressor contactor is pitted and should be replaced to protect the compressor. Condenser Coil has surface dirt and should be washed down. Recommend making minor repairs and cleaning services be done to prolong units life.   |  |
| ACU-B3 263 COMPUTER LAB              | Room 263                           | Magic Aire             | 60-HBAX-3          | W066057167 | HW Heating/DX Cooling Split system | 2nd Floor Computer Lab Room # 263                      | FAIR      | YES         | NA But does have fresh air manual damper    | NA              | 1-STAGE   | 20X20X2 (2)     | 1.9 FLA / 2.0 AVG   | NA  | 460-3PH         | BELT       | A-48 (1)                   | NA                         | AHU is in FAIR/POOR condition. Condensate trap drain line is un-serviceable, no unions. Auxiliary drain pan under unit does not have a safety switch or a connected drain line. No cap on the pans outlet. Recommend replacing the worn belt/motor / blower sheaves and re-piping the condensate drain line and pan as well as adding a secondary pan safety switch.  | Replaced the Belt from Truck Stock (RY).   |
| CCU-3 (B3)                           | Steeple Roof                       | Carrier 2005 - Split   | 38CKC060-671       | 0705E04968 | Cooling Only                       | 2nd Floor Computer Lab Room # 263                      | FAIR      | YES         | NA  | NA              | 1-STAGE<br>8.0 RLA w/ AVG<br>6.5A                     | NA              | NA  | NA  | 460-3PH         | NA         | NA                         | NA                         | Unit is in FAIR/POOR condition but is nearing the end of its Life expectancy (14 years old). Compressor contactor is pitted and should be replaced to protect the compressor. Liquid sight glass is sun oxidized and is unreadable. Condenser Coil has surface dirt and should be washed down. Recommend making minor repairs and cleaning services be done to prolong units life.  |  |
| ACU-B2 266 COMPUTER LAB              | Room 266                           | Magic Aire             | 60-HBAX-3          | W060571771 | HW Heating/DX Cooling Split system | 2nd Floor Computer Lab Room # 266                      | FAIR      | YES         | NA But does have fresh air manual damper    | NA              | 1-STAGE   | 20X20X2 (2)     | 1.9 FLA / 1.8 AVG   | NA  | 460-3PH         | BELT       | B-48 (1)                   | NA                         | AHU is in FAIR/POOR condition. Condensate trap drain line is un-serviceable, no unions. Auxiliary drain pan under unit does not have a safety switch or a connected drain line. No cap on the pans outlet. Recommend replacing the Belt/motor / blower sheaves and re-piping the condensate drain line and pan as well as adding a secondary pan safety switch.   |  |
| CCU-4 (B2)                           | Steeple Roof                       | Carrier 2005 - Split   | 38CKC060-671       | 4505E10826 | Cooling Only                       | 2nd Floor Computer Lab Room # 266                      | FAIR      | YES         | NA  | NA              | 1-STAGE<br>8.0 RLA w/ AVG<br>5.9A                     | NA              | NA  | NA  | 460-3PH         | NA         | NA                         | NA                         | Unit is in FAIR/POOR condition and is nearing the end of its Life expectancy (14 years old). Compressor contactor is pitted and should be replaced to protect the compressor. Liquid sight glass is sun oxidized and is unreadable. Condenser Coil has surface dirt and should be washed down. Recommend making minor repairs and cleaning services be done to prolong units life.  |  |
| RTU-C1 Large Group Instruction       | North Roof Bldg 27                 | Carrier 2006           | 50HU-012GM-661HY   | 2406G40863 | Cooling Only                       | Large Group Instruction Room 101 - Single Zone System  | FAIR      | YES         | YES - SET TO 0% OPEN Unit has Power Exhaust | NA              | 2-STAGES 8.3 RLA<br>1) - 6.69 AVG.<br>2) - 6.76 AVG   | 20X20X2 (4)     | 7.5 FLA / 3.98 AVG  | NA  | 460-3PH         | BELT       | BX48 (1)                   | NA                         | Unit is in FAIR condition but is nearing the mid/late time period of its Life expectancy (13 years old). There are other Multiple minor issues with the unit that can be repaired. Belts, Pulleys, filters need to be replaced. Compressor coil is impacted and will cause high head pressures in the summer months. This will eventually lead to a compressor(s) failure. Recommend repairs and cleaning services be done to prolong units life.   |  |
| RTU-C2 Main Office 3 Zone VAV system | North Roof Bldg 27                 | Carrier 2006           | 50HU-012GM-661HY   | 2406G40864 | Cooling Only                       | Main Office 3 zone VAV system Rooms 159A-C & 160       | FAIR      | YES         | YES - SET TO 0% OPEN Unit has Power Exhaust | NA              | 2-STAGES 8.3 RLA<br>1) - 6.71 AVG.<br>2) - 6.18 AVG   | 20X20X2 (4)     | 7.5 FLA / 4.69 AVG  | NA  | 460-3PH         | BELT       | BX48 (1)                   | NA                         | Unit is in FAIR condition but is nearing the mid/late time period of its Life expectancy (13 years old). There are Multiple minor issues with the unit that can be repaired. Belts, Pulleys, filters need to be replaced. Economizer actuator has failed. Condenser coil is impacted and will cause high head pressures in the summer months. This will eventually lead to a compressor(s) failure. Recommend repairs and cleaning services be done to prolong units life.  |  |
| ACU-C 250 North COMPUTER LAB         | North Roof Bldg 27                 | TRANE 1988             | BWE060C100GA       | C13175488  | Cooling Only                       | 2nd Floor Computer Lab Room # 250 North                | POOR      | YES         | NA  | NA              | 1-STAGE<br>15.4 RLA w/ AVG<br>8.9A                    | 20X25X2 (1)     | 6.3 FLA / 4.5 AVG   | NA  | 208-1PH         | BELT       | 4L430 (1)                  | NA                         | AHU is in POOR condition and way past life expectancy (1988). The unit has bad blower bearings, worn belt, bad motor bearings, evap pan is bent and holding water not draining, blower wheel cups have 1/2" of dust, its will impact and lower air flow across the coil. AHU does not have an electrical service switch. Power is feed from the roof's CCU disconnect. Found Compressor Contactor shorted to ground and tripping Xlrm. No Secondary safety pan under the unit to protect the computers below. Unit should be replaced entirely!   | Replaced compressor Contactor. (TS BM) and tested units operations. Tried to fix evap pan to allow for proper drainage. Pan is too old and will break if flexed back into shape. |
| CCU-C1                               | North Roof Bldg 27                 | American Standard 2013 | 2TTA3060A3000BA    | 1328554W4F | Cooling Only                       | Level B Computer Lab Room # 250 C North                | FAIR      | YES         | NA  | NA              | 1-STAGE   | NA              | NA  | NA  | 230-3PH         | NA         | NA                         | NA                         | Condenser is in FAIR/GOOD condition (2013). The compressor contactor needs to be replaced. Condenser coil is very dirty and needs to be cleaned.  |  |
| ACU-B 250 South COMPUTER LAB         | North Roof Bldg 27                 | TRANE 1988             | BWE060C100GA       | C13175493  | Cooling Only                       | 2nd Floor Computer Lab Room # 250 South                | POOR      | YES         | NA  | NA              | 1-STAGE<br>16.6 RLA w/ AVG<br>10.6A                   | 20X25X2 (1)     | 6.3 FLA / 5.5 AVG   | NA  | 208-1PH         | BELT       | 4L430 (1)                  | NA                         | AHU is in POOR condition and way past life expectancy (1988). The unit has bad blower bearings, worn belt, bad motor bearings, blower wheel cups have 1/2" of dust, its will impact and lower air flow across the coil. AHU does not have an electrical service switch. Power is feed from the roof's CCU disconnect. Found blown disconnect fuses. Removed fuses from Rm 252 unit and tested operations. System is low on charge. Unit is in Extremely POOR condition and should be replaced entirely!   | Replaced the compressor contactor and blown fuses with fuses from room 252 CCU. To get unit operational for testing.   |
| CCU-B2                               | North Roof Bldg 27                 | TRANE 1988             | TTA060A300A0       | C19277867  | Cooling Only                       | Level B Computer Lab Room # 250 B South                | POOR      | YES         | NA  | NA              | 1-STAGE   | NA              | NA  | NA  | 230-3PH         | NA         | NA                         | NA                         | Condenser is in FAIR condition but way past Life Expectancy (1988). The compressor contactor, and fan capacitor need to be replaced. Condenser fan motor has noisy motor bearings. Condenser coil is very dirty and needs to be cleaned.  |  |
| ACU-A 252 COMPUTER LAB               | North Roof Bldg 27                 | TRANE 1988             | BWE060C100GA       | C13175491  | Cooling Only                       | Level B Computer Lab Room # 252 A                      | POOR      | NO          | NA  | NA              | 1-STAGE<br>16.6 RLA w/ AVG                            | 20X25X2 (1)     | 6.3 FLA / BAD MOTOR NO READINGS                             | NA  | 208-1PH         | BELT       | 4L430 (1)                  | NA                         | Unit is in POOR condition and way past life expectancy (1988). The unit has bad motor, missing belt blower bearings, blower wheel cups have 1/2" of dust, its will impact and lower air flow across the coil. AHU does not have an electrical service switch. Power is feed from the roof's CCU disconnect. Found blown disconnect fuses. Removed fuses from Rm 252 unit and tested operations. Unable to test units operations due to failed IDF motor. Unit is in Extremely POOR condition and should be replaced entirely!   |  |
| CCU-3 (RM 252)                       | North Roof Bldg 27                 | TRANE 1988             | TTA060A300A0       | C19277869  | Cooling Only                       | Level B Computer Lab Room # 252 A                      | POOR      | NO          | NA  | NA              | 1-STAGE No compressor amp readings. AHU in-operable   | NA              | NA  | NA  | 230-3PH         | NA         | NA                         | NA                         | Condenser is in FAIR condition but way past Life Expectancy (1988). The compressor contactor, and fan capacitor need to be replaced. Condenser fan motor has noisy motor bearings. Condenser coil is very dirty and needs to be cleaned.  |  |
| FCU/ACU- EX ROOM 268                 | Center Hallway Level A Room #268   | CARRIER 1993           | FB4ANF024          | 1593A00092 | HW Heating/DX Cooling Split system | Level B Office Room #268 Center Hallway                | POOR      | YES         | NA  | NA              | 1-STAGE   | 14X20X1 (1)     | 2.1 FLA / 1.0 AVG   | NA  | 208-1PH         | DD         | NA                         | NA                         | AHU is in POOR condition and due to age (26 years) and condition, Unit should be considered for Full replacement. Condensate drain line has insufficient pitch, no unions or clean out to service annual and No hangers to support the pipe. Service Disconnect for Both AHU's 268/165 are located above the ceiling in this office.  |  |
| CCU-6 (RM 268)                       | North Courtyard lower roof Bldg 27 | CARRIER 1993           | 38TKB024300        | 1293E03060 | Cooling Only                       | Level B Office Room #268 Center Hallway                | POOR      | YES         | NA  | NA              | 1-STAGE<br>11.2 RLA w/ 9.5 AVG                        | NA              | NA  | NA  | 208-1PH         | NA         | NA                         | NA                         | Condenser is in Poor Condition and due to Age and condition, unit should be replaced. Condenser coil is oxidizing and flaking. Coil is deteriorating. Refrigerant leaks will eventually occur (R22 system HFC). Contactor and capacitor needs to be replaced. Condenser coil is very dirty but cannot be cleaned without causing further damage to coil. Recommend making minor electrical repairs to prolong what little life this system has left.  |  |
| AHU-7                                | Center Hallway Level B Room #165   | CARRIER 1993           | FB4ANF024          | 1593A00090 | HW Heating/DX Cooling Split system | Level C Office Room #165 Center Hallway History Office | POOR      | YES         | NA  | NA              | 1-STAGE   | 14X20X1 (1)     | 2.1 FLA / 1.2 AVG   | NA  | 208-1PH         | DD         | NA                         | NA                         | AHU is in POOR condition and due to age (26 years) and condition, Unit should be considered for Full replacement. Condensate drain line has insufficient pitch, no unions or clean out to service annual and No hangers to support the pipe. Service Disconnect for Both AHU's 268/165 are located above the ceiling in this office.  |  |
| CCU-7                                | North Courtyard lower roof Bldg 27 | CARRIER 1993           | 38TKB024300        | 1293E03074 | Cooling Only                       | Level C Office Room #165 Center Hallway History Office | POOR      | YES         | NA  | NA              | 1-STAGE<br>11.2 RLA w/ 7.4 AVG                        | NA              | NA  | NA  | 208-1PH         | NA         | NA                         | NA                         | Condenser is in Poor Condition and due to Age and condition, unit should be replaced. Condenser coil is oxidizing and flaking. Coil is deteriorating. Refrigerant leaks will eventually occur (R22 system HFC). System is Low on Charge and lineset is freezing up. Possible refrigerant leak. Contactor and capacitor needs to be replaced. Condenser coil is very dirty but cannot be cleaned without causing further damage to coil. Recommend performing a Leak Check and Repair if possible and making minor electrical repairs to prolong what little life this system has left.  |  |



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| EXHAUST FANS | Location                   | Manufacture & Year | MODEL #        | SERIAL #  | TYPE   | AREA SERVED                          | CONDITION | OPERATIONAL      | BELT ALIGNMENT | SHEAVE CONDITION | MOTOR HP | RPMS    | MOTOR AMPS AVG                             | FRESH AIR SCREENS              | UNIT VOLT/PHASE | DD OR BELT | BELT SIZE & QTY        | CURB DIMENSIONS                     | NOTES:  | Updated Notes:   |
|--------------|----------------------------|--------------------|----------------|-----------|--|--------------------------------------|-----------|------------------|----------------|------------------|----------|---------|--|--------------------------------|-----------------|------------|------------------------|-------------------------------------|---|--|
| EF-3D        | Steeple Roof               | GREENHECK          | LBP-18-5-X     | 03D15544  | CENTRIFUGAL LOUVERED EXHAUST FAN               | Level A Art Wing Room 363            | FAIR      | YES              | NO             | POOR             | 1/2HP    | 1725    | FLA 1.5 / 0.6 AVG                          |                                | 460-3PH         | BELT       | 4L470 (1)              | 29.5x29.5 Curb, 30.25x30.25 Fan     | Exhaust Fan is in FAIR condition. Needs NEW Belts and sheaves, and re-alignment.  | Will revise quote to include all of the Exhaust fans that need to be replaced (15 in total). |
| FF-B1        | Steeple Roof               | GREENHECK          | RSFP-150-3-X   | 03D15569  | CENTRIFUGAL LOUVERED SUPPLY FAN                | Level A Art Wing                     | FAIR      | YES              | NO             | POOR             | 1/3HP    | 1725    | FLA 6.4 / 6.3 AVG<br>118.1 volts High Amps |                                | 115VAC          | BELT       | 4B50 (1)               | 40x40 Curb, 40.25x40.25 Fan         | Exhaust Fan is in FAIR condition. Motor is drawing HIGH Amps. Possible Air Flow issue with duct work. Due to age and condition Recommend full unit replacement.                             |  |
| EF-8D        | Steeple Roof               | GREENHECK          | LDP-100-A      | 03D15562  | CENTRIFUGAL LOUVERED EXHAUST FAN               | Level A Art Wing                     | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 3.4 / 3.5 AVG<br>118.6 volts High Amps |                                | 115VAC          | BELT       | NA                     | 16.5"x16.5" Curb, 17x17 Fan         | Exhaust Fan is in FAIR condition. Motor is drawing HIGH Amps. Possible Air Flow issue with duct work. Due to age and condition Recommend full unit replacement.                             |  |
| EF-4D        | Steeple Roof               | GREENHECK          | LBP-10-4-X     | 03D15538  | CENTRIFUGAL LOUVERED EXHAUST FAN               | Level A Art Wing                     | FAIR      | NO POWER TO FAN  | NO             | POOR             | 1/4HP    | 1725    | FLA 5.1 / AVG volts                        |                                | 115VAC          | BELT       | 3L340 (1)              | 22x22 Curb, 22.5x22.5 Fan           | Exhaust Fan is in FAIR condition. Power to Fan's location needs to be identified in order to test operations.   |  |
| E-D10        | Steeple Roof               | GREENHECK          | LBP-14-5       | 03D15542  | CENTRIFUGAL LOUVERED EXHAUST FAN               | Level A Art Wing                     | FAIR      | NO POWER TO FAN  | NO             | POOR             | 1/2HP    | 1725    | FLA 2.4 / AVG volts AVG                    |                                | 460-3PH         | BELT       | 4L440 (1)              | 26x26 Curb, 26.5x26.5 Fan           | Exhaust Fan is in FAIR condition. Power to Fan's location needs to be identified in order to test operations.   |  |
| EF-9D        | Steeple Roof               | GREENHECK          | LBP-10-4-X     | 03D15541  | CENTRIFUGAL LOUVERED EXHAUST FAN               | Level A Art Wing                     | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 5.1 / 4.1 AVG                          |                                | 115VAC          | BELT       | 3L330 (1)              | 22x22 Curb, 22.5x22.5 Fan           | Exhaust Fan is in FAIR condition. Needs NEW Belts and sheaves, and re-alignment.  |  |
| EF-E24       | Steeple Roof               | GREENHECK          | LDP-85-D       | 03D15561  | CENTRIFUGAL LOUVERED EXHAUST FAN               | Level A Art Wing                     | FAIR      | YES              | NA             | NA               | 1/15HP   | 1550    | FLA 2.0 / 1.8 AVG                          |                                | 115VAC          | DD         | NA                     | 19x19Curb, 19.25x19.25 Fan          | Exhaust Fan is in FAIR condition. No issues at this time.   |  |
| EF-5D        | Steeple Roof               | GREENHECK          | LBP-14-4-X     | 03D15543  | CENTRIFUGAL LOUVERED EXHAUST FAN               | Level A Art Wing                     | FAIR      | NO MOTOR         | UNKNOWN        | POOR             | UNKNOWN  | UNKNOWN | UNKNOWN                                    |                                | UNKNOWN         | BELT       | UNKNOWN                | 26x26 Curb, 26.5x26.5 Fan           | Exhaust Fan is in POOR condition. Due to age and condition, Recommend fan be replaced.  |  |
| FF-B3        | Steeple Roof               | GREENHECK          | RSFP-100-4-X   | 03D15568  | CENTRIFUGAL LOUVERED SUPPLY FAN                | Level A Art Wing                     | FAIR      | YES              | NA             | NA               | 1/8HP    | 1725    | FLA 5.1 / 4.2 AVG                          |                                | 115VAC          | DD         | NA                     | 29.5x29.5 Curb, 30.25x30.25 Fan     | Exhaust Fan is in FAIR condition. No issues at this time.   |  |
| EF-E38       | Steeple Roof               | GREENHECK          | LBP-10-4-X     | 03F11410  | CENTRIFUGAL LOUVERED EXHAUST FAN               | Level A Art Wing                     | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 5.1 / 4.6 AVG                          |                                | 115VAC          | BELT       | 3L340 (1)              | 22x22 Curb, 22.5x22.5 Fan           | Exhaust Fan is in FAIR condition. Needs NEW Belts and sheaves, and re-alignment.  |  |
| EF-E28       | Steeple Roof               | GREENHECK          | LDP-80-D       | 03D15560  | CENTRIFUGAL LOUVERED EXHAUST FAN               | Level A Art Wing                     | FAIR      | YES              | NA             | NA               | 1/15HP   | 1550    | FLA 1.5 / 1.23 AVG                         |                                | 115VAC          | DD         | NA                     | 19x19Curb, 19.25x19.25 Fan          | Exhaust Fan is in FAIR condition. No issues at this time.   |  |
| EF-6D        | Steeple Roof               | GREENHECK          | LBP-10-4-X     | 03D15539  | CENTRIFUGAL LOUVERED EXHAUST FAN               | Level A Art Wing                     | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 5.1 / 4.7 AVG                          |                                | 115VAC          | BELT       | 3L340 (1)              | 22x22 Curb, 22.5x22.5 Fan           | Exhaust Fan is in FAIR condition. Needs NEW Belts and sheaves, and re-alignment.  |  |
| EF-7D-1      | Steeple Roof               | GREENHECK          | LBP-10-4-X     | 03F11409  | CENTRIFUGAL LOUVERED EXHAUST FAN               | Level A Art Wing Jewely Exhaust Hood | FAIR      | NO POWER TO FAN  | NO             | POOR             | 1/4HP    | 1725    | FLA 5.1 / AVG                              |                                | 115VAC          | BELT       | 3L350 (1)              | 22x22 Curb, 22.5x22.5 Fan           | Exhaust Fan is in FAIR condition. Power to Fan's location needs to be identified in order to test operations.   |  |
| EF-7D-2      | Steeple Roof               | GREENHECK          | LBP-10-4-X     | 00K09919  | CENTRIFUGAL LOUVERED EXHAUST FAN               | Level A Art Wing Jewely Exhaust Hood | FAIR      | NO POWER TO FAN  | NO             | POOR             | 1/4HP    | 1725    | FLA 5.1 / AVG                              |                                | 115VAC          | BELT       | 3L350 (1)              | 22x22 Curb, 22.5x22.5 Fan           | Exhaust Fan is in FAIR condition. Power to Fan's location needs to be identified in order to test operations.   |  |
| EF-3         | Barrel                     | GREENHECK          | CUBE-131-3-X   | 01H07770  | MUSHROOM                                       | UNKNOWN                              | FAIR      | YES              | NO             | OK               | 1/8HP    | 1725    | FLA 5.8 / 2.35A AVG                        |                                | 115VAC          | BELT       | 3L180 (1)              | 19"x19" Curb, 19.25"x19.25" Fan     | Exhaust Fan is in FAIR condition. Motor has bad bearings and is noisy. Needs NEW Belts and sheaves, and re-alignment. Recommend New motor as well.  |  |
| EF-5B        | Barrel                     | GREENHECK          | LBP-18-5-X     | 5102624   | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/2HP    | 1725    | FLA 1.1 / 0.9 AVG                          |                                | 115VAC          | BELT       | 4L480 (1)              | 29.75"x29.75" Curb, 30.5"x30.5" Fan | Exhaust Fan is in FAIR condition. Motor has bad bearings and is noisy. Needs NEW Belts and sheaves, and re-alignment.   |  |
| EF-2B        | Barrel                     | GREENHECK          | LBP-21-7-X     | 05L05004  | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | NO POWER TO FAN  | NO             | POOR             | 3/4HP    | 1725    | FLA 1.4 / ?                                |                                | 460-3PH         | BELT       | 4L450                  | 30"x30" Curb, 30.5"x30.5" Fan       | Exhaust Fan is in FAIR condition. Power to Fan's location needs to be identified in order to test operations.   |  |
| EF-4         | Barrel                     | GREENHECK          | TCBRU-2-10-7   | 01K07743  | INLINE VERTICAL EXHAUST FAN                    | UNKNOWN                              | FAIR      | NO POWER TO FAN  | NO             | POOR             | 3/4HP    | 1725    | FLA 1.5 / ?                                |                                | 460-3PH         | BELT       | AX41 (1)               | 21.25"x21.25" Curb, 22"x22" Fan     | Exhaust Fan is in FAIR condition. Power to Fan's location needs to be identified in order to test operations.   |  |
| EF-5         | Barrel                     | GREENHECK          | CUBE-095-3     | 01K12429  | MUSHROOM                                       | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/3HP    | 1725    | FLA 3.3 / ?                                |                                | 208-3PH         | BELT       | 3L200 (1)              | 18.5"x18.5" Curb, 19x19" Fan        | Exhaust Fan is in FAIR condition. Power to Fan's location needs to be identified in order to test operations.   |  |
| EF-6         | Barrel                     | GREENHECK          | CUBE-101-3     | 01K12437  | MUSHROOM                                       | UNKNOWN                              | FAIR      | NO MOTOR         | UNKNOWN        | POOR             | UNKNOWN  | 1725    | UNKNOWN                                    |                                | 115VAC          | BELT       | 3L180 (1)              | 18.5"x18.5" Curb, 19x19" Fan        | Exhaust Fan is in POOR condition. No Motor in unit. Due to age and condition Recommend full unit replacement.   |  |
| FF-B4        | Barrel                     | GREENHECK          | RSFP-100-4-X   | 05L05012  | CENTRIFUGAL LOUVERED SUPPLY FAN                | UNKNOWN                              | POOR      | NO SEIZED MOTOR  | NO             | POOR             | 1/4HP    | 1725    | FLA 4.8 / 4.2A AVG                         | YES 12X25X1 (4)                | 115VAC          | BELT       | 3L420 (1)              | 29"x29" Curb, 30"x30" Fan           | Supply FA Fan is in POOR condition. Motor is seized. Due to age and condition, Recommend full unit replacement.   |  |
| EF-3B        | Barrel                     | GREENHECK          | LBP-16-5-X     | 05L05003  | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/2HP    | 1725    | FLA 1.0 / 0.9A AVG                         |                                | 115VAC          | BELT       | 4L460 (1)              | 29.5"x29.5" Curb, 30"x30" Fan       | Exhaust Fan is in FAIR condition. Needs NEW Belts and sheaves, and re-alignment.  |  |
| EF-B4        | Barrel                     | GREENHECK          | LBP-14-4-X     | 05L06824  | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 4.6 / 4.1A AVG                         |                                | 115VAC          | BELT       | 3L380 (1)              | 26.5"x26.5" Curb, 27"x27" Fan       | Exhaust Fan is in FAIR condition. Needs NEW Belts and sheaves, and re-alignment.  |  |
| EF-1A        | North Side                 | GREENHECK          | LBP-18-5-X     | 05L05002  | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | NO POWER TO FAN  | NO             | POOR             | 1/2HP    | 1725    | FLA 1.9 / AVG                              | YES 12X25X1 (2)<br>12x20x1 (2) | 208-3PH         | BELT       | AX43 (1)               | 29"x29" Curb, 30.5"x30.5" Fan       | Exhaust Fan is in FAIR condition. Power to Fan's location needs to be identified in order to test operations.   |  |
| FF-B5        | North Side                 | GREENHECK          | RSFP-90-4-X    | 05L05011  | CENTRIFUGAL LOUVERED SUPPLY FAN                | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 4.6 / AVG<br>Broken Belt               | YES 12X25X1 (2)<br>12x20x1 (2) | 115VAC          | BELT       | 3L380 (1)              | 25"x25" Curb, 26"x26" Fan           | Supply FA Fan is in FAIR condition. Broken Belt and worn sheaves. Motor has noisy bearings. Recommend replacing the Belt and Sheaves as well as the intake air metal filters.               |  |
| EF-2A        | North Side                 | GREENHECK          | LD-90          | 05L05005  | MUSHROOM                                       | UNKNOWN                              | FAIR      | YES              | NA             | NA               | 1/20HP   | 1050    | FLA 0.8 / 0.72A AVG                        |                                | 115VAC          | DD         | NA                     | 17.5"x17.5" Curb, 19.25"x19.25" Fan | Exhaust Fan is in FAIR condition. No issues at this time.   |  |
| EF-3A        | North Side                 | GREENHECK          | LBP-10-4-X     | 05L05001  | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 4.6 / 4.26A AVG<br>Broken Belt         |                                | 115VAC          | BELT       | 3L350 (1)              | 22x22 Curb, 22.5x22.5 Fan           | Exhaust Fan is in FAIR condition. Broken Belt and worn sheaves. Motor has noisy bearings. Recommend replacing the Belt and Sheaves as well.   |  |
| EF-4A        | North Side                 | GREENHECK          | LBP-18-3-X     | 05L06825  | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/3HP    | 1725    | FLA 6.6 / 5.8A AVG                         |                                | 115VAC          | BELT       | AX45 (1)               | 29"x29" Curb, 30.5"x30.5" Fan       | Exhaust Fan is in FAIR condition. Broken Belt and worn sheaves. Motor has noisy bearings. Recommend replacing the Belt and Sheaves as well.   |  |
| EF-5A        | North Side                 | GREENHECK          | LBP-14-3-X     | 05L06822  | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/8HP    | 1725    | FLA 6.6 / 6.25A AVG                        |                                | 115VAC          | BELT       | 3L400 (1)              | 25x25 Curb, 26x26 Fan               | Exhaust Fan is in FAIR condition. Broken Belt and worn sheaves. Motor has noisy bearings. Recommend replacing the Belt and Sheaves as well.   |  |
| EF-6A        | North Side                 | GREENHECK          | LBP-10-4-X     | 05L06819  | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 4.6 / 4.28A AVG                        |                                | 115VAC          | BELT       | 3L350 (1)              | 20.5"x20.5" Curb, 22.5"x22.5" Fan   | Exhaust Fan is in FAIR condition. Motor is out of alignment and belt is heavily worn. Recommend replacing the Belt and Sheaves as well.   |  |
| FF-B1        | North Side                 | GREENHECK          | TCBR5-1-10-X-4 | 05L05905  | INLINE VERTICAL EXHAUST FAN 2555 Max RPM @ 70F | UNKNOWN                              | FAIR      | NO SEIZED MOTOR  | NO             | POOR             | 1/4HP    | 1725    | FLA 5.4 / AVG<br>NO BELT                   |                                | 115VAC          | BELT       | ?                      | 21"x21" Curb, 22"x22" Fan           | Exhaust Fan is in FAIR condition. No Belt unknown size needed and worn sheaves. Motor has noisy bearings. Recommend replacing the Belt and Sheaves as well. Unable to test fans operations. |  |
| EF-7A        | North Side                 | GREENHECK          | LBP-10-4-X     | 05L06820  | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 4.6 / 4.07A AVG                        |                                | 115VAC          | BELT       | 3L350 (1)              | 25x25 Curb, 26x26 Fan               | Exhaust Fan is in FAIR condition. Motor is out of alignment and belt is heavily worn. Recommend replacing the Belt and Sheaves as well.   |  |
| EF-8A        | North Side                 | GREENHECK          | LBP-10-3-X     | 05L06821  | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/3HP    | 1725    | FLA 6.0 / 5.23A AVG                        |                                | 115VAC          | BELT       | AX35 (1)               | 25x25 Curb, 26x26 Fan               | Exhaust Fan is in FAIR condition. Motor is out of alignment and belt is heavily worn. Recommend replacing the Belt and Sheaves as well.   |  |
| EF-10A       | North Side                 | GREENHECK          | LBP-14-4-X     | 05L06823  | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 4.6 / 4.25A AVG                        |                                | 115VAC          | BELT       | 3L390 (1)              | 25x25 Curb, 26x26 Fan               | Exhaust Fan is in FAIR condition. Motor is out of alignment and belt is heavily worn. Recommend replacing the Belt and Sheaves as well.   |  |
| EF-11A       | North Side                 | GREENHECK          | LBP-10-4-X     | 05L05000  | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 4.6 / 4.15A AVG                        |                                | 115VAC          | BELT       | AX33 (1)               | 25x25 Curb, 26x26 Fan               | Exhaust Fan is in FAIR condition. Motor is out of alignment and belt is heavily worn. Recommend replacing the Belt and Sheaves as well.   |  |
| EF-12A       | South Side                 | GREENHECK          | LBP-10-4-X     | 5102816   | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 4.6 / 3.97A AVG                        |                                | 115VAC          | BELT       | AX33 (1)               | 21.5"x21.5" Curb, 22"x22" Fan       | Exhaust Fan is in FAIR condition. Broken Belt and worn sheaves. Motor has noisy bearings. Recommend replacing the Belt and Sheaves as well.   |  |
| EF-13A       | South Side                 | GREENHECK          | LBP-10-4-X     | 5102817   | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 4.6 / 4.15A AVG                        |                                | 115VAC          | BELT       | AX33 (1)               | 18.5"x18.5" Curb, 22.5"x22.5" Fan   | Exhaust Fan is in FAIR condition. Broken Belt and worn sheaves. Motor has noisy bearings. Recommend replacing the Belt and Sheaves as well.   |  |
| EF-14A       | South Side                 | GREENHECK          | LBP-14-5-X     | 5102821   | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/2HP    | 1725    | FLA 8.8 / 8.2A AVG                         |                                | 115VAC          | BELT       | AX38 (1)               | 25.5"x25.5" Curb, 26"x26" Fan       | Exhaust Fan is in FAIR condition. Broken Belt and worn sheaves. Motor has noisy bearings pulling High Amps. Recommend replacing the Motor, Belt and Sheaves as well.                        |  |
| EF-15A       | South Side Auditorium Roof | GREENHECK          | LD-90          | 5102825   | MUSHROOM                                       | UNKNOWN                              | FAIR      | YES              | NA             | NA               | 1/20HP   | 1050    | FLA 0.8 / 0.74A AVG                        |                                | 115VAC          | DD         | NA                     | 17.5"x17.5" Curb, 19.25"x19.25" Fan | Exhaust Fan is in FAIR condition. No issues at this time.   |  |
| EF-X         | South Side Auditorium Roof | FANTECH            | 50DD18EB       | 100282075 | MUSHROOM                                       | UNKNOWN                              | NEW       | YES              | NA             | NA               | 3/4HP    | 1106    | FLA 7.8 / 4.79A AVG                        |                                | 115VAC          | DD         | NA                     | 28"x28" Curb, 30.5"x30.5" Fan       | Exhaust Fan is NEW condition. No issues at this time.   |  |
| EF-16A       | South Side Auditorium Roof | GREENHECK          | LBP-10-4-X     | 5102818   | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 4.6 / 4.10A AVG                        |                                | 115VAC          | BELT       | AX33 (1)               | 21.5"x21.5" Curb, 22.25"x22.25" Fan | Exhaust Fan is in FAIR condition. Broken Belt and worn sheaves. Motor has noisy bearings. Recommend replacing the Belt and Sheaves as well.   |  |
| EF-17A       | Rear South Side            | GREENHECK          | LBP-10-4-X     | 5102819   | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 4.6 / 3.8A AVG                         |                                | 115VAC          | BELT       | 3L350 (1)              | 21.5"x21.5" Curb, 22.25"x22.25" Fan | Exhaust Fan is in FAIR condition. Broken Belt and worn sheaves. Motor has noisy bearings. Recommend replacing the Belt and Sheaves as well.   |  |
| EF-1B        | Rear South Side            | GREENHECK          | LBP-18-5-X     | 5102823   | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/2HP    | 1725    | FLA 1.1 / .38A AVG                         |                                | 460-3PH         | BELT       | AX45 (1) OR 4L470 (1)  | 29.5"x29.5" Curb, 30.5"x30.5" Fan   | Exhaust Fan is in FAIR condition. Needs NEW Belts and sheaves, and re-alignment.  |  |
| EF-1F        | Rear South Side            | GREENHECK          | LBP-14-4-X     | 5102820   | CENTRIFUGAL LOUVERED EXHAUST FAN               | UNKNOWN                              | FAIR      | YES              | NO             | POOR             | 1/4HP    | 1725    | FLA 4.6 / 3.7A AVG                         |                                | 115VAC          | BELT       | 3L340 (1) OR 3L390 (1) | 25.5"x25.5" Curb, 26"x26" Fan       | Exhaust Fan is in FAIR condition. Broken Belt and worn sheaves. Motor has noisy bearings. Recommend replacing the Belt and Sheaves as well.   |  |
| EF-1         | Rear South Side            | GREENHECK          | CUBE-240-20-6  | 05K15644  | MUSHROOM                                       | KITCHEN                              | FAIR      | YES              | NO             | POOR             | 2HP      | 1725    | FLA 6.2 / 4.61A AVG                        |                                | 460-3PH         | BELT       | AX31 (1)               | 33.5"x33.5" Curb, 34.5"x34.5" Fan   | Exhaust Fan is in FAIR condition. Needs NEW Belts and sheaves, and re-alignment.  |  |
| EF-B1        | Rear South Side            | GREENHECK          | GB-121-3-A     | 5106843   | MUSHROOM                                       | UNKNOWN                              | FAIR      | NO SHORTED MOTOR | NO             | POOR             | 1/3HP    | 1725    | FLA 6.1 / AVG                              |                                | 115VAC          | BELT       | 4L210 (1)              | 18.5"x18.5" Curb, 19.5"x19.5" Fan   | Exhaust Fan is in POOR condition. Shorted to ground Motor. Due to age and condition Recommend full unit replacement.  |  |