													Hart So	chool HVA	C Inspection	ons/Evalu	ations:			
HVAC EQUIPMENT TAG NAME & NUMBER	LOCATION OF EQUIPMENT	MANUFACTURE NAME & YEAR	MODEL #	SERIAL#	TYPE OF EQUIPMENT - RTU/SPLIT/HP/G AS ELECTRIC	SERVED	CONDITION OF UNIT	OPERATIONAL Y/N	ECONOMIZER Y/N OPERATIONAL AND % OPEN	ELECTRIC HEAT AMPS FLA / AVG	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:
RTU 1	MAIN ROOF	CARRIER 2017	48HCDD24ABA	2317P26688	RTU		GOOD	YES	Yes 10%		11.6 AVG	(9) 16x25x2	5.0 amps	N	460/3ph	BELT	(1) BX46		Economizer Screens Damaged. Incorrect condensate trap size.	
RTU 2	MAIN ROOF	CARRIER 2017	48HCDD24ABA	2317P26689	RTU		GOOD	YES	Yes 10%		13.5 AVG	(9) 16x25x2	4.7amps	N	460/3ph	BELT	(1) BX46		2nd Stage compressor contactor disconnected, Economizer screens are damaged. Condensate Pan holding water.	
RTU 3	LOWER ROOF	CARRIER 1997	48HJF025	4097F98679	RTU		POOR	YES	No 0%		12.5 AVG	(4) 16x20x2 (4) 20x20x2	6.8 amps	N	460/3ph	BELT	(1) BX50		Breaker off for 2nd Stage compressor, 2nd stage compressor contactor no good. Condenser coil is in bad shape. Heat is not working, needs to be looked at.	
RTU 4	LOWER ROOF	BRYANT	580je14d224a	0711G50445	RTU		GOOD	YES	Yes 0%		1st stage 7.2 2nd stage 8.3	(4) 20x20x2	3.4 amps	N	460/3ph	BELT	(1) AX49		Economizer unplugged and not working. Filters are dirty.	
RTU 5	LOWER ROOF	CARRIER	48HJE014	4797G30607	RTU		POOR	YES	No 0%		1st Stage 8.1 2nd stage 7.8	(4) 20x20x2	5.0 amps	N	460/3ph	BELT	(1) B47		Condenser coil is in poor condition, All contactors are need replacing, Economizer does not work.  Condensate is being pulled off Evap Coil.	
RTU 6	LOWER ROOF	CARRIER 2017	48TCED08A	1717P40021	RTU		GOOD	YES	Yes 14%		1st stage 3.4 2nd stage 3.4	(4) 16x20x2	2.7 amps	N	460/3ph	BELT	(1) AX52		Unit not sitting on Roof curb correctly, discharge and return air open to outside. Economizer screens are plugged.	
DFS-1	LOWER ROOF	FUJITSU 2002	IDU: M#- ASU12RLS2 ODU: M#- AOU12RLS2	IDU: S#- JRA030990 ODU: S#- JRN025015	DFS SPLIT SYSTEM		FAIR	YES	NA		NA INVERTER COMP	WASHABLE	NA	N	230/1ph	NA	NA		Refrigerant charge needs to be evaluated, Equipment needs to be cleaned	
DFS-2	ROOM 220/221	SAMSUNG 2000	IDU: M#- IAS24A2RC-KCV ODU: M#- US24A2RC	IDU: S#- PLAT400153 ODU: S#- P2FT400004K	DFS SPLIT SYSTEM		POOR	NO	NA		NA INVERTER COMP	WASHABLE	NA	N	230/1ph	NA	NA		System is off. BOE informed us the unit needs to be replaced.	
UNIT VENTILATOR	ROOM 214	DUNHAM-BUSH	HUV1# 52974	98K178	MAU		FAIR	YES	Yes 0%			(2) 16X24X2 (1) 16X20X2	0.98 amps	N	120/1ph	DD	NA		Unit needs to be cleaned	
UNIT VENTILATOR	ROOM 213	DUNHAM-BUSH	HUV1# 52974	98K188	MAU		FAIR	YES	Yes 0%			(2) 16X24X2 (1) 16X20X2	0.99 amps	N	120/1ph	DD	NA		Unit needs to be cleaned	
UNIT VENTILATOR	ROOM 211	DUNHAM-BUSH	HUV1# 52895	98K147	MAU		FAIR	YES	Yes 0%			(1) 16x20x2 (1) 16x24x2	1.16 amps	N	120/1ph	DD	NA		Unit needs to be cleaned	
UNIT VENTILATOR F	ROOM 146 Art Rm	DUNHAM-BUSH	HUVB1# 52974	98K173	MAU		FAIR	YES	Yes 0%			(2) 16X24X2 (1) 16X20X2	1.24 amps	N	120/1ph	DD	NA		Unit needs to be cleaned. Economizer damper is broken.	
UNIT VENTILATOR	ROOM 143	DUNHAM-BUSH	HUVV1# 52972	98K154	MAU		FAIR	YES	Yes 0%			(1) 16x20x2 (1) 24x16x2	1.11 amps	N	120/1ph	DD	NA		Unit needs to be cleaned. Outside air is at 0%	
UNIT VENTILATOR	ROOM 120	DUNHAM-BUSH	HUVV1# 52895	98K150	MAU		FAIR	YES	Yes 0%			(1) 16x20x2 (1) 16x24x2	1.13 amps	N	120/1ph	DD	NA		Unit needs to be cleaned	
UNIT VENTILATOR	ROOM 102	DUNHAM-BUSH	HUVV1# 52974	98K162	MAU		FAIR	YES	Yes 0%			(2) 16X24X2 (1) 16X20X2	0.98 amps	N	120/1ph	DD	NA		Unit needs to be cleand. Otdoor air Damper not working	
UNIT VENTILATOR	ROOM 041	DUNHAM-BUSH	HUVV1# 52974	98K175	MAU		FAIR	YES	Yes 0%			(2) 16X24X2 (1) 16X20X2	0.99 amps	N	120/1ph	DD	NA		condensate pump making noise Unit needs to be cleaned	
UNIT VENTILATOR	ROOM 012	DUNHAM-BUSH	HUVV1# 52974	98K164	MAU		FAIR	YES	Yes 0%			(2) 16X24X2 (1) 16X20X2	0.87 amps	N	120/1ph	DD	NA		Unit needs to be cleaned	
CHILLER# 1	MAIN ROOF	Carrier 2010	30XAB1606F- 7GSCL	3510q91582	CHILLER		GOOD	YES	NA		48.9	NA	NA	N	460/3ph	NA	NA		Circuit B is flat, Recommend leak checking circuit b	
UNIT VENTILATOR	ROOM 29	DUNHAM-BUSH	HUVV1#52974	98K165	MAU		FAIR	YES	Yes 0%			(2) 16X24X2 (1) 16X20X2	0.90 amps	N	120/1ph	DD	NA		Unit needs cleaning	

													Hart Sc	hool HVA	C Inspecti	ons/Evalu	ations:			
EXHAUST FANS TAG NAME & NUMBER	LOCATION OF EQUIPMENT	MANUFACTURE NAME & YEAR	MODEL #	SERIAL#	TYPE OF FAN - MUSHROOM / INLINE VERTICAL / LOUVERED / INTAKE	AREA / FLOOR SERVED	CONDITION OF UNIT	OPERATIONAL Y/N	BELT ALIGNMENT Y/N	SHEAVE CONDITION POOR /FAIR	MOTOR HP	MOTOR RPMS	MOTOR AMPS FLA & AVG	FRESH AIR SCREENS Y / N & SIZES	UNIT VOLT / PHASE	DD OR BELT	BELT SIZE & QTY & CONDITION	CURB DIMENSIONS FAN CAP & CURB	NOTES:	Updated Notes and follow up Repairs done:
EF-1	UPPER ROOF	PENN VENTILATOR	DX36B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	YES	N	POOR	3.0 HP	1760	4.05 FLA 2.0 AVG	NA	460/3	BELT	(2) A44	45X45 FAN 44.5X44.5 CURB	Exhaust Fan is in VERY POOR condition. Both belts are broken and fan is OFF at Motor Starter above the ceiling on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.	
EF-2	UPPER ROOF	PENN VENTILATOR	DX24B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	NO - SIEZED MOTOR & NO POWER	N	POOR	1.0 HP	1725	2.25 FLA	NA	115/1	BELT	(1) A33	34X34 FAN 33.5X33.5 CURB	Exhaust Fan is in VERY POOR condition. Both belts are broken and fan is OFF at Motor Starter above the ceiling on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.	
EF-3	UPPER ROOF	PENN VENTILATOR	DX30B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	NO POWER	N	POOR	1.5 HP	1725	2.70 FLA	NA	460/3	BELT	(1) A41		Exhaust Fan is in VERY POOR condition. Belt is broken and the sheaves are very worn. Fan is OFF at Motor Starter above the ceiling on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.	
EF-4	UPPER ROOF	PENN VENTILATOR	DX11B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	NO POWER	N	POOR	5.0 HP	1745	7.2 FLA	NA	460/3	BELT	(2) A48	45X45 FAN 44.5X44.5 CURB	Exhaust Fan is in VERY POOR condition. Both belts are cracked and the sheaves are very worn. Bad blower wheel bearings. Fan is OFF at Motor Starter above the ceiling on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.	
EF-5	UPPER ROOF	PENN VENTILATOR	DX12B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	YES	N	POOR	1 /4 HP	1745	5.0 FLA 4.6 AVG	NA	115/1	BELT	(1) 4L270	25X25 FAN 24.5X24.5 CURB	Exhaust Fan is in VERY POOR condition. Belt is worn and sheaves are bad. Fan is OFF at Motor Starter above the ceiling on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.	
EF-6	UPPER ROOF	PENN VENTILATOR	DX24B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	YES	N	POOR	1.0 HP	1735	1.5 FLA 1.1 AVG	NA	460/3	BELT	(1) A39	34X34 FAN 33.5X33.5 CURB	Exhaust Fan is in VERY POOR condition. Belt is broken and sheaves are bad. Motor has noisy bearings. Fan is OFF at Motor Starter above the ceiling on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.	
EF-7	UPPER ROOF	PENN VENTILATOR	DX24B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	YES	N	POOR	1.5 HP	1740	2.1 FLA 1.1 AVG	NA	460/3	BELT	(1) A34		Exhaust Fan is in VERY POOR condition. Belt is broken and sheaves are bad. Motor has noisy bearings. Fan is OFF at Motor Starter above the ceiling on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.	
EF-8	UPPER ROOF	PENN VENTILATOR	DX06B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	NO - SIEZED MOTOR & NO POWER	N	POOR	1 /4 HP	1550	1.8 FLA	NA	115/1	BELT	(1) 3L200	19X19 FAN 18.5X18.5 CURB	on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.  Exhaust Fan is in VERY POOR condition. Motor is siezed. Fan is OFF at Motor Starter above the ceiling	
EF-9	UPPER ROOF	PENN VENTILATOR	DX11B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	NO - SIEZED MOTOR & NO POWER	N	POOR	1 /4 HP	1740	5.3 FLA	NA	115/1	BELT	(1) 4L240	21X21 FAN 20.5X20.5 CURB	on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.  Exhaust Fan is in VERY POOR condition. Belt is broken and the sheaves are very worn. Fan is OFF at	
EF-10	UPPER ROOF	PENN VENTILATOR	DX08B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	NO POWER	N	POOR	1 /4 HP	1550	1.8 FLA	NA	115/1	BELT	(1) 3L220	19X19 FAN 18.5X18.5 CURB	Motor Starter above the ceiling on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.	
EF-11	LOWER ROOF	PENN VENTILATOR	DX08B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	NO POWER	N	POOR	1 /4 HP	1550	1.8 FLA	NA	115/1	BELT	(1) 3L220		Motor Starter above the ceiling on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.  Exhaust Fan is in VERY POOR condition. Motor is siezed. Fan is OFF at Motor Starter above the ceiling	
EF-12	GYM ROOF	PENN VENTILATOR	DX24B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	NO - SIEZED MOTOR & NO POWER	N	POOR	1/2 HP	1725	1.05 FLA	NA	115/1	BELT	(1) A33	34X34 FAN 33.5X33.5 CURB	on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.  Exhaust Fan is in VERY POOR condition. Motor has bad bearings. Fan is OFF at Motor Starter above	
EF-13	GYM ROOF	PENN VENTILATOR	DX24B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	NO - SIEZED MOTOR & NO POWER	N	POOR	1/2 HP	1725	1.05 FLA	NA	115/1	BELT	(1) A33	34X34 FAN 33.5X33.5 CURB	Exhaust Fan is in VERY POOR condition. Belt is broken and the sheaves are very worn. Fan is OFF at	
EF-14	LOWER ROOF	PENN VENTILATOR	DX16B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	NO POWER	N	POOR		1740	4.8 FLA	NA	115/1	BELT	(1)4L280	29X29 FAN 28.5X28.5 CURB	Motor Starter above the ceiling on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.  Exhaust Fan is in VERY POOR condition. Belt is broken and the sheaves are very worn. Fan is OFF at	
EF-15	LOWER ROOF	PENN VENTILATOR	DX24B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	NO POWER	N	POOR	1 /4 HP	1740	5.3 FLA	NA	115/1	BELT	(1) 4L270	34X34 FAN 33.5X33.5 CURB	Motor Starter above the ceiling on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.  Exhaust Fan is in VERY POOR condition. Motor is siezed. Fan is OFF at Motor Starter above the ceiling	
EF-16	LOWER ROOF	PENN VENTILATOR	DX24B	UN-LEGIBLE	MUSHROOM	UNKNOWN	VERY POOR	NO - SIEZED MOTOR & NO POWER	N	POOR	1 /4 HP	1740	5.3 FLA	NA	115/1	BELT	(1) 4L280	34X34 FAN 33.5X33.5 CURB	on the 4th floor. Motor Starter is unaccesable and needs to be relocated. Recommend Replacing Fan due to age and condition.  Exhaust Fan is in GOOD condition. Fan is newer. No repair actions needed at this time.	
EF-16.5	LOWER ROOF	DAYTON	411X95A	F989011551	MUSHROOM	KITCHEN	GOOD	YES	N	GOOD	3/4 HP	1735	1.8 FLA 1.78 AVG	NA	208/3	BELT	(1) 4L240	26X26 FAN 25X25CURB		