



GSA DC0007ZZ Veterans Admin (Washington, DC)

CheckList Information

Name :	AHU-28	Status :	NotSubmitted
Assigned Organization :	National TAB	Asset :	
Requesting Organization :	National TAB		

CheckList Item Details

AHU Measurement NOVA Third Party Contractor Fill Out. Measure and verify the building minimum and maximum outdoor air for each AHU providing outdoor air to the building.

Supply Air CFM Measured:	Design: 5500 / Actual: 1,900 CFM
Confirm DCV is Disabled (Demand Controlled Ventilation)	DCV is confirmed to be disabled.
Outside Air Measurement Method (Direct PT or SA-RA PT)	Outside air duct was traversed directly.
Outside Air CFM Measured: (Maximum and Minimum OA CFM)	Design: 1500 / Actual: 324 CFM
If Outside Air CFM is determined by Supply - Return air CFM, document the Measured Return Air CFM:	Outside air duct was traversed directly.
Does AHU have full air side economizer?	No
<ul style="list-style-type: none"> • Open FuseIT4848edc17e1b4a.jpg 	
BAS Setpoint. Document BAS Setpoint at time of testing. Include Outside Air Damper Setpoint BAS shows.	The static pressure setpoint for the supply duct was set to 1.0".w.c.
Document Actual Observed Outside Air Damper Position. [Visual % Open: 0%, 25%, 75%, 100%.]	The OA damper was open 10%
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AHU Information & Verification. Include Photo Documentation

Attach Photos of AHU Nameplate.	Yes
<ul style="list-style-type: none"> • Open FuseIT3de197cfc14641.jpg 	
Pre-Filter MERV Rating (or NA)	There are no pre-filters at this unit.
Pre-Filter Size	N/A

Final Filter MERV Rating	MERV 13
<ul style="list-style-type: none"> • Open FuseITcaeb0f0e97a34f.jpg 	
Final Filter Size	16X20X4
Belts - Visual Assessment of condition	ONE EDGE OF BELT SEEMS TO BE DETERIORATING
<ul style="list-style-type: none"> • Open FuseIT73b8cf990d194e.jpg 	
Belts - Size and quantity	1 BX46. BELT IS EXCESSIVELY LOOSE. LIKELY CAUSING SLIPPING WHICH IS WHY VFD IS RUNNING SO FAST AND FAN RUNNING SO SLOW.
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Note if any modifications made to AHU set points to operate in full capacity.	The supply fan was running at full speed at the original setpoint.
Electrical connections - Visual assessment. Document motor Voltage and Amperage.	476 V, 6.23 A VFD, 60 HZ 100%. ELECTRICAL CONNECTIONS IN GOOD CONDITION.
<ul style="list-style-type: none"> • Open FuseITc7364eb1f2e94a.jpg 	
Heating Coil(s) - Visual assessment and photo documentation.	Coil was in good condition, as seen in the attached photo.
<ul style="list-style-type: none"> • Open FuseIT977f84665d0246.jpg 	
Cooling Coil(s) - Visual assessment and photo documentation.	Coil was in good condition, as seen in the attached photo.
<ul style="list-style-type: none"> • Open FuseIT73dadf13b3f446.jpg 	
Condensate Pan(s) - Visual assessment and photo documentation.	THERE IS A LOT OF DIRT BUILDUP IN PAN, BUT IT IS IN GOOD CONDITION.
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Any unusual operation observed? (including vibration, over-pressure, etc.)	VFD IS AT 60 HZ BUT FAN DOES NOT SEEM TO BE RUNNING AT FULL SPEED.
Exhaust System Status (on/off). If this does not apply for this AHU, "N/A"	This unit does not have an exhaust system
Visually inspect outdoor air intake louvers, bird screens, mist eliminators, and adjacent areas for cleanliness and integrity.	N/A
Note ALL visible debris or visible biological material observed, physical damage to louvers, screens, or mist eliminators, and if such damage impairs the item from providing the required outdoor air entry.	No biological material or damage was noted at the unit.
List any found deficiencies. Note any remarks or comments, including corrective actions. Include photo documentation of any relevant findings.	FAN SPEED AND AIRFLOW ARE LOW AND VFD IS AT 100%. LOOSE BELT SEEMS TO BE SLIPPING.

- [Open](#) AHU28.JPG