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Building:	File Number:							
Completed by:		Tit	le:		Date Checked:			
Appendix B discusses HVAC system components in relation to indoor air quality.								
Component	ОК	Needs Attention	Not Applicable		Comments			
Outside Air Intake								
Location	-							
Open during occupied hours?								
Unobstructed?								
Standing water, bird droppings in vicinity?								
Odors from outdoors? (describe)	-							
Carryover of exhaust heat?								
Cooling tower within 25 feet?								
Exhaust outlet within 25 feet?								
Trash compactor within 25 feet?								
Near parking facility, busy road, loading dock?								
Bird Screen								
Unobstructed?								
General condition?								
Size of mesh? (1/2" minimum)								
Outside Air Dampers								
Operation acceptable?								
Seal when closed?								

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Building:		File Number:					
Completed by:		Tit	le:	D	ate Checked:		
Component	ОК	Needs Attention	Not Applicable	Com	ments		
Actuators operational?							
Outdoor Air (O.A.) Quantity (Check against applicable codes and ASHRAE 62-1989.)							
Minimum % O.A.							
Measured % O.A Note day, time, HVAC operating mode under "Comments"	1						
Maximum % O.A.							
Is minimum O.A. a separate damper?							
For VAV systems: is O.A. increased as total system air-flow is reduced?							
Mixing Plenum							
Clean?							
Floor drain trapped?							
Airtightness							
■ of outside air dampers							
■ of return air dampers							
■ of exhaust air dampers							
All damper motors connected?							
All damper motors operational?							
Air mixers or opposed blades?							

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Building:		File Number:					
Completed by:		Tit	le:	Date Checked:			
Component	ОК	Needs Attention	Not Applicable	Comments			
Mixed air temperature control settingoF							
Freeze stat settingoF							
Is mixing plenum under negative pressure? Note: If it is under positive pressure, outdoor air may not be entering.							
Filters		-					
Туре							
Complete coverage? (i.e., no bypassing)							
Correct pressure drop? (Compare to manufacturer's recommendations.)							
Contaminants visible?							
Odor noticeable?							
Spray Humidifiers or Air Washers							
Humidifier type							
All nozzles working?							
Complete coil coverage?							
Pans clean, no overflow?							
Drains trapped?							
Biocide treatment working? Note: Is MSDS on file?							
Spill contaminant system in place?							

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Building:	File Number:						
Completed by:		Tit	le:	Date Checked	l:		
Component	ОК	Needs Attention	Not Applicable	Comments	-		
Face and Bypass Dampers							
Damper operation correct?							
Damper motors operational?							
Cooling Coil							
Inspection access?							
Clean?							
Supply water tempoF							
Water carryover?							
Any indication of condensation problems?							
Condensate Drip Pans							
Accessible to inspect and clean?							
Clean, no residue?							
No standing water, no leaks?							
Noticeable odor?							
Visible growth (e.g., slime)?							
Drains and traps clear, working?							
Trapped to air gap?							
Water overflow?							
		1					

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Building:	File Number:						
Completed by:	Title:			Date Checked:			
Component	OK	Needs Attention	Not Applicable	Comments			
Mist Eliminators	- OK	Attention	Арріісавіе	Comments			
Clean, straight, no carryover?							
Clean, straight, no earryover:							
Supply For Chambers							
Supply Fan Chambers		Τ					
Clean?							
No trash or storage?							
Floor drain traps are wet or sealed?							
No air leaks?							
Doors close tightly?							
Supply Fans							
Location							
Fan blades clean?							
Belt guards installed?							
Proper belt tension?							
Excess vibration?							
Corrosion problems?							
Controls operational, calibrated?							

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Building:		File Number:					
Completed by:		Tit	le:	Date Checked:			
Component	ОК	Needs Attention	Not Applicable	Comments	_		
Control sequence conforms to design/specifications? (describe changes)					_		
No pneumatic leaks?							
			T				
Heating Coil							
Inspection access?							
Clean?							
Contol sequence conforms to design/specifications? (describe changes)							
Supply water temp°F							
Discharge thermostat? (air temp. settingoF)							
Reheat Coils							
Clean?							
Obstructed?							
Operational?							
Steam Humidifier							
Humidifier type							
Treated boiler water							
Standing water?					_		
					_		

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Building:		File Number:				
Completed by:		Tit	le:	Date	Checked:	
Component	ОК	Needs Attention	Not Applicable	Comme	ents	
Visible growth?						
Mineral deposits?						
Control setpointoF						
High limit setpointoF						
Duct liner within 12 feet? (If so, check for dirt, mold growth.)						
Supply Ductwork						
Clean?						
Sealed, no leaks, tight connections?						
Fire dampers open?						
Access doors closed?						
Lined ducts?						
Flex duct connected, no tears?						
Light troffer supply?						
Balanced within 3-5 years?						
Balanced after recent renovations?						
Short circuiting or other air distribution problems? Note location(s)						
Pressurized Ceiling Supply Plenum						
No unintentional openings?						
All ceiling tiles in place?						

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Building:	File Number:						
Completed by:		Tit	le:		Date Checked:		
Γ							
Component	ОК	Needs Attention	Not Applicable		Comments		
Barrier paper correctly placed and in good condition?							
Proper layout for air distribution?							
Supply diffusers open?							
Supply diffusers balanced?							
Noticeable flow of air?							
Short circuiting or other air distribution problems? Note location(s) in "Comments"							
Terminal Equipment (supply)							
Housing interiors clean and unobstructed?							
Controls working?							
Delivering rated volume?							
Balanced within 3-5 years?							
Filters in place?							
Condensate pans clean, drain freely?							
VAV Box							
Minimum stops %							
Minimum outside air % (from page 2 of this form)							
Minimum airflowcfm							
Minimum outside aircfm							

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Building:				File Number:	
Completed by:		Tit	le:	Date Checked:	
Component	ОК	Needs Attention	Not Applicable	Comments	
Supply setpointoF (summer)					
oF (winter)					
Thermostats					
Type					
Properly located?					
Working?					
SetpointsoF (summer)					
°F (winter)					
Space temperatureoF					
Humidity Sensor					
Humidistat setpoints % RH					
Dehumudistat setpoints % RH					
Actual RH %					
Room Partitions					
Gap allowing airflow at top?					
Gap allowing airflow at bottom?					
Supply, return each room?					

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Building:	File Number:						
Completed by:	Title:				Date Checked:		
Component	ОК	Needs Attention	Not Applicable		Comments		
Stairwells							
Doors close and latch?							
No openings allowing uncontrolled airflow?							
Clean, dry?							
No noticeable odors?							
Return Air Plenum							
Tiles in place?							
No unintentional openings?							
Return grilles?							
Balancing capability?							
Noticeable flow of air?							
Transfer grilles?							
Fire dampers open?							
Ducted Returns							
Balanced within 3-5 years?							
Unobstructed grilles?							
Unobstructed return air path?							
Return Fan Chambers							
Clean and no trash or storage?							
No standing water?							
Floor drain traps are wet or sealed?							

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Building:		File Number:					
Completed by:		Tit	le:	Date Checked:			
Component	ОК	Needs Attention	Not Applicable	Comments			
No air leaks?							
Doors close tightly, kept closed?							
Return Fans	·						
Location							
Fan blades clean?							
Belt guards installed?							
Proper belt tension?							
Excess vibration?							
Corrosion problems?							
Controls working, calibrated?							
Controls sequence conforms to design/specifications? (describe changes)							
Exhaust Fans							
Central?							
Distributed (locations)	-						
Operational?							
Controls operational?							
Toilet exhaust only?							
Gravity relief?							
	_1	1	1	1			

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Building:	File Number:					
Completed by:		Tit	le:	Date Ch	necked:	
Component	ОК	Needs Attention	Not Applicable	Comments	:	
Total powered exhaust cfm						
Make-up air sufficient?						
Toilet Exhausts						
Fans working occupied hours?						
Registers open, clear?						
Make-up air path adequate?						
Volume according to code?						
Floor drain traps wet or sealable?						
Bathrooms run slightly negative relative to building?						
Smoking Lounge Exhaust						
Room runs negative relative to building?						
Print Room Exhaust						
Room runs negative relative to building?						
Garage Ventilation			·			
Operates according to codes?						
Fans, controls, dampers all operate?						

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Building:	File Number:						
Completed by:		Tit	le:	Date Checked:			
Component	ОК	Needs Attention	Not Applicable	Comments			
Garage slightly negative relative to building?							
Doors to building close tightly?							
Vestibule entrance to building from garage?							
Mechanical Rooms							
General condition?							
Controls operational?							
Pneumatic controls:							
■ compressor operational?							
■ air dryer operational?							
Electric contols?							
EMS (Energy Management System) or DDC (Direct Digital Control):	,						
■ operator on site?							
■ controlled off-site?							
■ are fans cycled "off" while building is occupied?							
■ is chiller reset to shed load?							
Preventive Maintenance							
Spare parts inventoried?							
Spare air filters?							
Control drawing posted?							
			1				

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Building:		File Number:						
Completed by:		Tit	le:	Date Checked:				
Component	ОК	Needs Attention	Not Applicable	Comments				
PM (Preventive Maintenance) schedule available?								
PM followed?								
Boilers								
Flues, breeching tight?								
Purge cycle working?								
Door gaskets tight?								
Fuel system tight, no leaks?								
Combustion air: at least 1 square inch free area per 2000 Btu input?								
Cooling Tower								
Sump clean?								
No leaks, no overflow?								
Eliminators working, no carryover?								
No slime or algae?								
Biocide treatment working?								
Dirt separator working?								
Chillers	·							
No refrigerant leaks?								
Purge cycle normal?								
Waste oil, refrigerant properly disposed of and spare refrigerant properly stored?								
Condensation problems?								

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Building:		File Number:					
Completed by:		Tit	le:	Date Checked:			
		Needs	Not				
Component	ОК	Attention	Applicable	Comments			