



## HVAC COMMISSIONING FUNCTIONAL PERFORMANCE TEST AIR HANDLER UNIT

PROJECT: Sample Project	
Equipment Name/Tag: AHU 1	Location: Mechanical Room
System/Area Served:	Related: Daikin CAH006GDGM

<b>Heating Mode: adjust temp. setpoint 5 deg. above space temp. at thermostat</b>					<b>Note:</b>
OA damper is positioned to minimum OA setpoint (value set by TAB agency).				YES	NO
Design CFM		Actual CFM:			
Chilled water valve is shut				YES	NO
Hot water valve opens fully				YES	NO
Boilers ignite if not already running				YES	NO
(Repeat Heating for Zone Reheat Coil)				YES	NO
<b>Record the following data:</b>					
OA temperature					°F
Space temp. at start of test	T-stat	°F	Actual		°F
Space temp. at end of test	T-stat	°F	Actual		°F
Discharge air temp @ full heat					°F
Return air temp @ full heat					°F
<b>Cooling Mode: Adjust temp. setpoint 5 deg. below space temp. at thermostat</b>					
OA damper is positioned to minimum OA setpoint (value set by TAB agency).				YES	NO
Cooling valve opens				YES	NO
<b>Record the following data:</b>					
Design CFM:		TAB CFM:		Actual	CFM
OA temp.					°F
Space temp. at start of test	T-stat	°F	Actual		°F
Space temp. at end of test	T-stat	°F	Actual		°F
Discharge air temp. @ full cooling					°F



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Return air temp @ full cooling				°F		
<b>Heating Mode UNOCCUPIED: adjust temp. setpoint 5 deg. above space temp. at thermostat</b>						Note:
OA damper is positioned closed				YES	NO	
Design CFM		Actual CFM:				
Chilled water valve is shut				YES	NO	
Hot water valve opens fully				YES	NO	
Boilers ignite if not already running				YES	NO	
(Repeat Heating for Zone Reheat Coil)				YES	NO	
Supply fan starts and runs				YES	NO	
<b>Record the following data:</b>						
OA temperature						°F
Space temp. at start of test		T-stat	°F	Actual	°F	
Space temp. at end of test		T-stat	°F	Actual	°F	
Discharge air temp @ full heat						°F
Return air temp @ full heat						°F
<b>Cooling Mode UNOCCUPIED: Adjust temp. setpoint 5 deg. below space temp. at thermostat</b>						
OA damper is positioned closed unless free cooling is available				YES	NO	
Cooling valve opens				YES	NO	
Supply fan runs				YES	NO	
<b>Record the following data:</b>						
Design CFM:		TAB CFM:		Actual	CFM	
OA temp.						°F
Space temp. at start of test		T-stat	°F	Actual	°F	
Space temp. at end of test		T-stat	°F	Actual	°F	
Discharge air temp. @ full cooling						°F



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	Return air temp @ full cooling		°F	
<b>BAS Control Verification</b>				
	Supply Fan runs continuously in occupied mode	YES	NO	
	Alarm Displayed at BAS for fan failure	YES	NO	
	BAS operated morning warmup and pre-cool as scheduled	YES	NO	
<b>Economizer</b>				
	Force outside air damper open 100% does Return damper close 100%	YES	NO	
	Force outside air damper closed 100% does Return Air Damper open 100%	YES	NO	
	Set economizer temp. setpoint above actual ambient temp. Does economizer go to minimum setting	YES	NO	
	Set economizer temp. setpoint below actual ambient temp. Does economizer economize	YES	NO	
<b>Comments</b>				

