

BHCS A Street HVAC Upgrade
A Street Homeless Shelter
Energy Recovery Unit

Sub	Point Description	Parameter	Number of Points	Graphic Unit Schematic	Graphic Unit Detail	Commission Time Interval	Trending Time Interval
Energy Recovery Unit	BACNET Status	Status [On/Off]	1 Per ERV	No	Yes	1 minute	N/A
	System Command	Status [On/Off]	1 Per ERV	Yes	Yes	1 minute	15 minute
	Bypass Damper Command	Status [On/Off]	1 Per ERV	No	Yes	1 minute	15 minute
	Bypass Damper Status	Status [On/Off]	1 Per ERV	Yes	Yes	1 minute	15 minute
	Bypass Switchover Setpoint	Temperature [°F]	1 Per ERV	No	Yes	1 minute	15 minute
	Filter Status	Status [On/Off]	1 Per Evaporator	No	Yes	1 minute	N/A
	Outside Air Temperature	Temperature [°F]	1 Per ERV	Yes	Yes	1 minute	15 minute
	Exhaust Air Temperature	Temperature [°F]	1 Per ERV	Yes	Yes	1 minute	15 minute
	Supply Air Temperature	Temperature [°F]	1 Per ERV	Yes	Yes	1 minute	15 minute
	Return Air Temperature	Temperature [°F]	1 Per ERV	Yes	Yes	1 minute	15 minute
	Energy Transfer Rate	Effectiveness [%]	1 Per ERV	No	Yes	1 minute	15 minute
	Supply Air Flow	Air Flow [CFM]	1 Per ERV	Yes	Yes	1 minute	15 minute
	Exhaust Air Flow	Air Flow [CFM]	1 Per ERV	Yes	Yes	1 minute	15 minute
	Supply Fan Command	Status [On/Off]	1 Per ERV	No	Yes	1 minute	15 minute
	Supply Fan Status	Status [On/Off]	1 Per ERV	Yes	Yes	1 minute	15 minute
	Supply Fan Speed	Speed [%]	1 Per ERV	Yes	Yes	1 minute	15 minute
	Supply Duct Static	Pressure [PSI]	1 Per ERV	Yes	Yes	1 minute	15 minute
Return Duct Static	Pressure [PSI]	1 Per ERV	Yes	Yes	1 minute	15 minute	

**BHCS A Street HVAC Upgrade
A Street Homeless Shelter
Energy Recovery Unit**

Sub	Point Description	Parameter	Number of Points	Graphic Unit Schematic	Graphic Unit Detail	Commission Time Interval	Trending Time Interval
	Exhaust Fan Command	Status [On/Off]	1 Per ERV	No	Yes	1 minute	15 minute
	Exhaust Fan Status	Status [On/Off]	1 Per ERV	Yes	Yes	1 minute	15 minute

BHCS A Street HVAC Upgrade
A Street Homeless Shelter
VRF Systems

Sub	Point Description	Parameter	Number of Points	Graphic Unit Schematic	Graphic Unit Detail	Commission Time Interval	Trending Time Interval
Each VRF System	BACNET Status	Status [On/Off]	1 Per Condenser	No	Yes	1 minute	N/A
	System Command	Status [On/Off]	1 Per Condenser	Yes	Yes	1 minute	15 minute
	Outdoor Unit Status	Status [On/Off]	1 Per Condenser	Yes	Yes	1 minute	15 minute
	Indoor Unit Status	Status [On/Off]	1 Per Evaporator	Yes	Yes	1 minute	15 minute
	Outside Air Temperature	Temperature [°F]	1 Per Condenser	Yes	Yes	1 minute	15 minute
	Filter Status	Status [On/Off]	1 Per Evaporator	No	Yes	1 minute	N/A
	Room Temperature	Temperature [°F]	1 Per Evaporator	Yes	Yes	1 minute	15 minute
	Effective Setpoint	Temperature [°F]	1 Per Evaporator	Yes	Yes	1 minute	15 minute
	High Cooling Demand Limit	%	1 Per Evaporator	No	Yes	1 minute	N/A
	Low Cooling Demand Limit	%	1 Per Evaporator	No	Yes	1 minute	N/A
	High Heating Demand Limit	%	1 Per Evaporator	No	Yes	1 minute	N/A
	Low Heating Demand Limit	%	1 Per Evaporator	No	Yes	1 minute	N/A
	Refrigerant Circuit		1 Per Evaporator	No	Yes	1 minute	N/A
	Discharge Air Temperature	Temperature [°F]	1 Per Evaporator	Yes	Yes	1 minute	15 minute
	Fan Speed	%	1 Per Evaporator	Yes	Yes	1 minute	N/A