



Exhaust Fan - On/Off

Run Conditions - Scheduled: The fan shall run according to a user definable schedule.

Ean: The fan shall have a user definable (adj.) minimum runtime.

<u>Fan Status</u>: The controller shall monitor the fan status.

Alarms shall be provided as follows:

• Fan Failure: Commanded on, but the status is off. • Fan in Hand: Commanded off, but the status is on.

	Hardware Points										
Point Name	AI	AO	BI	во	AV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Fan Status			х						x		х
Fan Start/Stop				х					x		х
Schedule								x			

Bathroom Exhaust Fans (typical of 3)

Unit name:
EF-1 - TOILET D107/D109 JAN CLOSET D111
EF-2 - TOILET D122/D125 STORAGE D127 • EF-2 – TOILET D132/D133

<u>CONVECTIVE/ FIN TUBE</u>





Convective / Fin Tube (typical of 4)

Run Conditions - Continuous: The unit shall run continuously and shall maintain a heating setpoint of 70°F (adj.).

Alarms shall be provided as follows: • Low Zone Temp: If the zone temperature is less than the heating setpoint by a user definable amount (adj.).

Heating Coil Valve: The controller shall measure the zone temperature and open the heating coil valve to maintain its heating setpoint. The heating shall be enabled whenever:

• Outside air temperature is less than 55°F (adj.) and Winter Mode (Global) is active. • AND the zone temperature is below heating setpoint.

Convective / Fin Tube Heat (typical of 4)

Unit name:
FTR-1 - PRESCHOOL ROOM D105

 FTR-2 – PRESCHOOL ROOM D108 CONV-1 - TOILET ROOM D122 •

CONV-2 – TOILET ROOM D125

CABINET HEATER





Cabinet Heater (typical of 4)

General: The unit will be stand alone and not connected to the BAS. Provide new sensors for new or existing cabinet heaters.

Run Conditions - Continuous: The unit shall run continuously and shall maintain a heating setpoint of 70°F (adj.).

Ean: The fan shall run anytime the zone temperature is below heating setpoint and the remote bulb thermostat senses hot water over 110°F (adj.). Once the remote bulb thermostat senses the water temperature is below 110°F (adj.), the fan will cycle off.

Heating Coil Valve: The zone thermostat shall measure the zone temperature and open the heating coil valve to maintain its heating setpoint. Once the zone thermostat is at or above setpoint, the heating coil valve will close.

<u>UNIT HEATER</u> (Typical of 2)



HWS HWR

Unit Heater (typical of 2)

General: The units will take place of WESVUV-7 and WESVUV-8 and will be connected to the BAS. Provide new sensors for new heaters.

Run Conditions - Continuous: The unit shall run continuously and shall maintain a heating setpoint of 68°F (adj.).

Fan: The fan shall run anytime the zone temperature is below heating setpoint. Once the zone temperature is above heating setpoint of 70°F (adj.), the fan will cycle off.

Heating Coil Valve: The controller shall measure the zone temperature and open the heating coil valve to maintain its heating setpoint. Once the zone temperature is at or above setpoint, the heating coil valve will close.

	Ha	rdwaı	re Poi	nts	Software Points						
Point Name	AI	AO	BI	во	AV	BV	Loop	Sched	Trend	Alarm	Show On
Zone Temperature	х								х		х
Heating Valve		x							х		х
Fan Start/Stop				x					х		х
Schedule								x			

Unit Heaters (typical of 2)

<u>Unit name:</u>

 WESUH-1 CLASSROOM D105 • WESUH-2 CLASSROOM D108

n Graphic .

. .

12.04.17 10.20.17 9.18.17 2.24.17 DATE: DRAWN CHECKED

