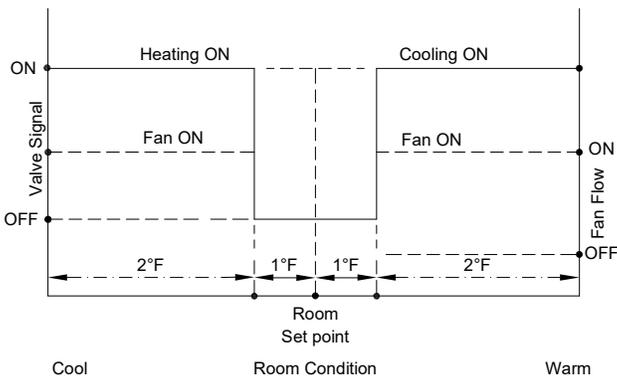


**LEGEND**

- FACTORY ELECTRICAL WIRING
- - - - - FIELD ELECTRICAL WIRING

**CONTROL GRAPH**



**Sequence of Operation -- On/Off Fan, On/Off Heating or Cooling with Heat/Cool Changeover**

\*\*If no HCCO sensor is present, the controller assumes chilled water supply at all times\*\*

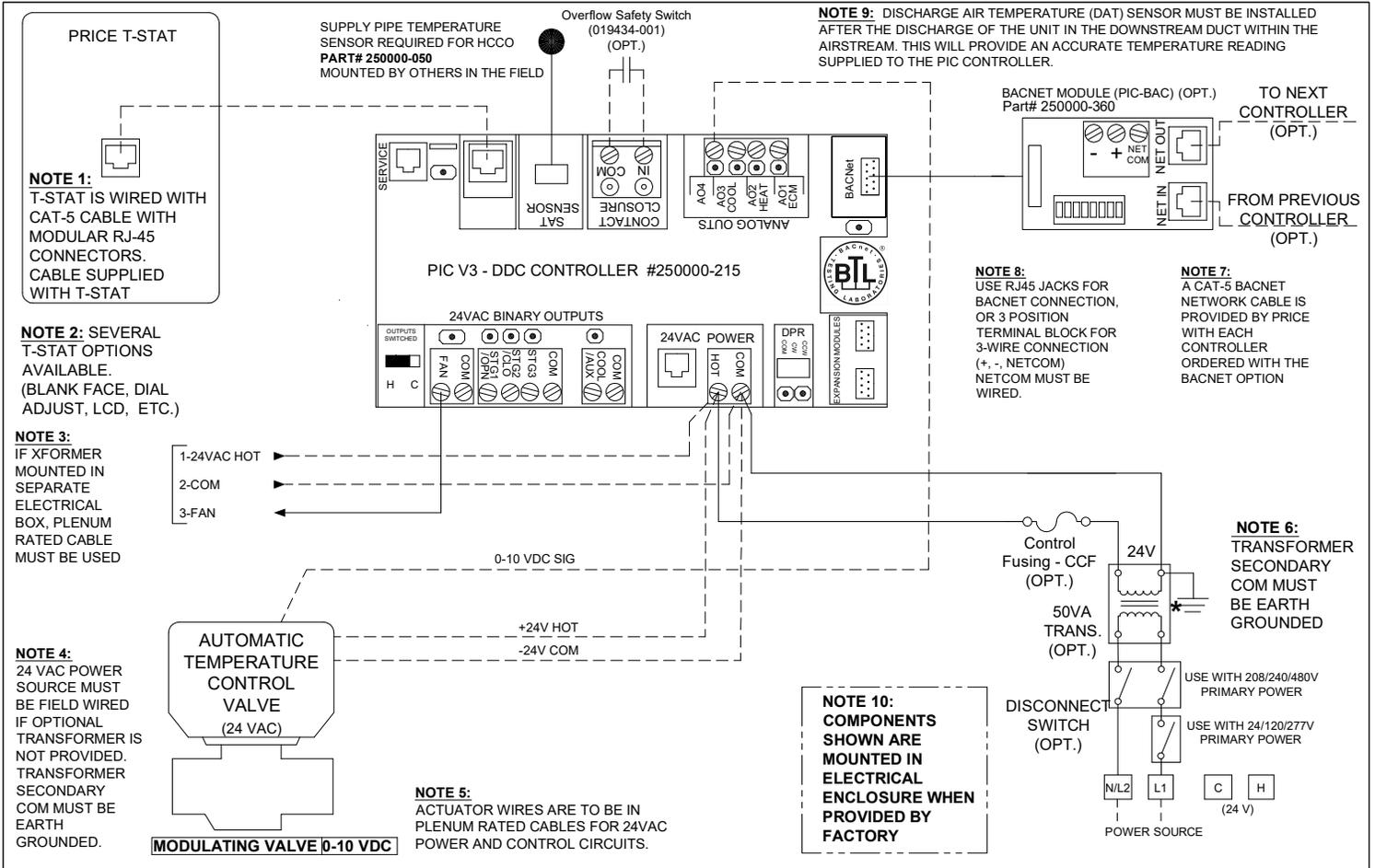
**Chilled Water Supply:** On an increase in space temperature the controller opens the valve and turns on the fan motor.

**Hot Water Supply:** On a decrease in space temperature the controller opens the valve and turns on the fan motor.

**Dead Band:** With no demand in the space, the water valve actuator remains closed. Fan Flow remains off.

\*If valve has been closed for 10 hours (adjustable) it will be opened for a maximum of 5 minutes to determine if water supply temperature has changed.

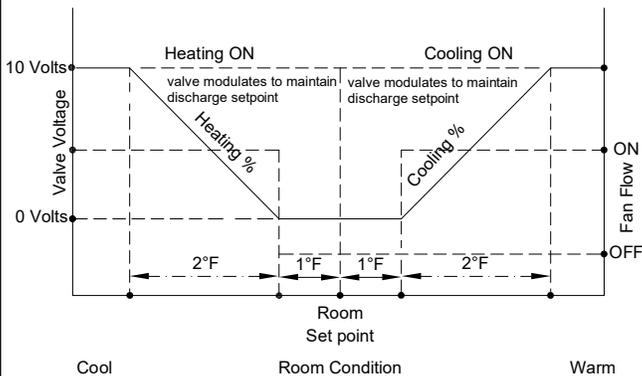
<b>PROJECT:</b>		<p><b>FAN/BLOWER COIL CONTROLS PIC-FC</b> ON/OFF MOTOR 2-PIPE ON/OFF HCCO OR COOLING ONLY WITH CHANGEOVER</p>
<b>ENGINEER:</b>		
<b>CUSTOMER:</b>		
<b>SUBMITTAL DATE:</b>	<b>SPEC. SYMBOL:</b>	



**LEGEND**

- FACTORY ELECTRICAL WIRING
- FIELD ELECTRICAL WIRING

**CONTROL GRAPH**



**Sequence of Operation -- On/Off Fan, Modulating Heating or Cooling with Discharge Air Temperature Control**

**Chilled Water Supply:** On an increase in space temperature above the set point, the controller energizes the fan motor and modulates the valve to maintain a 55°F (adjustable) discharge air temperature.

**Hot Water Supply:** On a decrease in space temperature below the set point, the controller energizes the fan motor and modulates the valve to maintain a 90°F (adjustable) discharge air temperature.

**Dead Band:** With no demand in the space, the water valve actuator remains closed. Fan remains OFF.

**Discharge Air Temperature (DAT) Sensor and Control:** The sensor provides the controller with the discharge air temperature reading. This temperature is used to control the modulating valves while trying to achieve a set discharge temperature. Note: Discharge Air Temperature Control is only possible with modulating valves. The DAT is also used to determine the water temp (Hot/Cold).

\*If valve has been closed for 10 hours (adjustable) it will be opened for a maximum of 5 minutes to determine if water supply temperature has changed.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

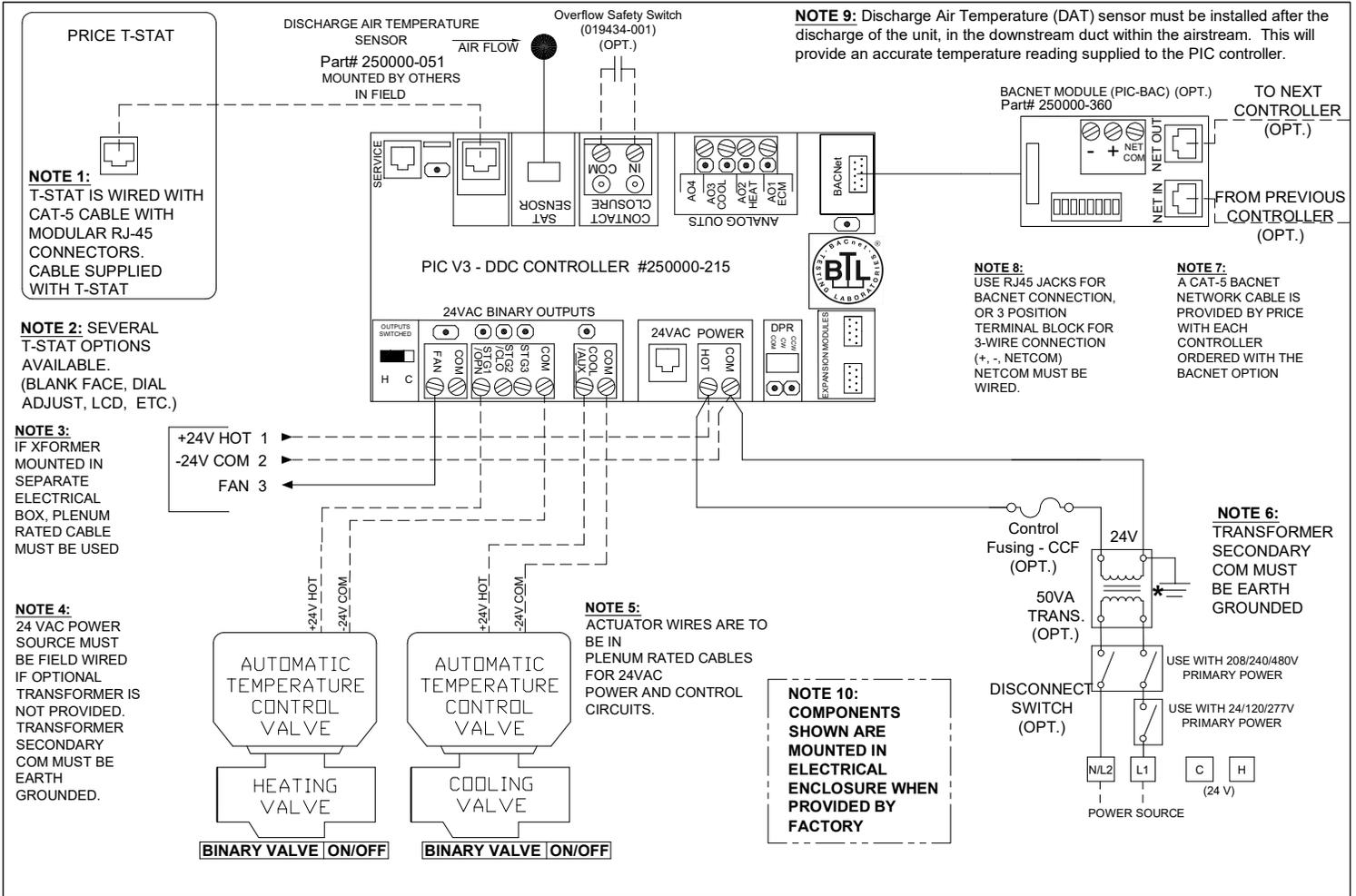
**PRICE**<sup>®</sup>

**FAN/BLOWER COIL CONTROLS  
PIC-FC**

ON/OFF MOTOR  
2-PIPE 0-10VDC HEATING  
OR COOLING  
W/ DAT CONTROL & CHANGEOVER

259534

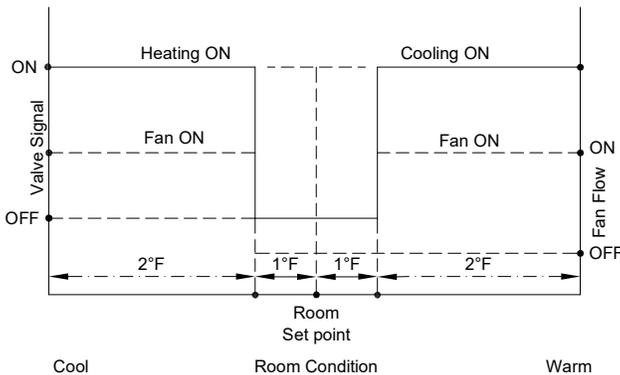
2020/06/17



**LEGEND**

- FACTORY ELECTRICAL WIRING
- - - - - FIELD ELECTRICAL WIRING

**CONTROL GRAPH**



**Sequence of Operation -- On/Off Fan, On/Off Heating and Cooling with Discharge Air Temperature Sensor Monitoring**

**Cooling:** On an increase in space temperature above the set point, the controller opens the chilled water valve and energizes the fan motor.

**Dead Band:** With no demand in the space, the water valve actuator remains closed. Fan Flow remains OFF.

**Heating:** On a decrease in space temperature below the set point, the controller opens the hot water valve and energizes the fan motor.

**Discharge Air Temperature (DAT) Sensor:** The sensor provides a discharge temperature reading to the thermostat. This temperature can only be read through the interface program for trouble shooting.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

**PRICE**<sup>®</sup>

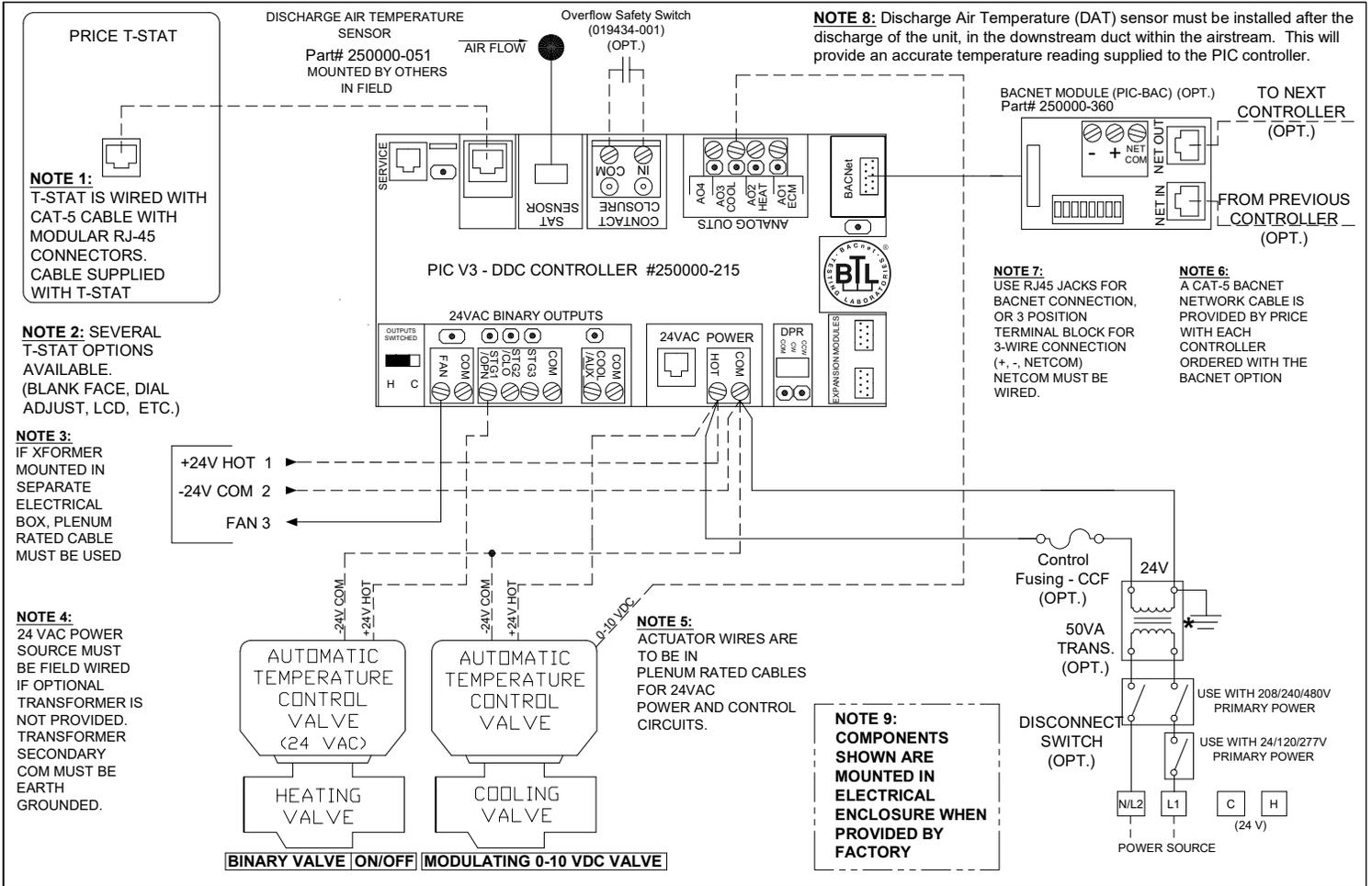
*mm* *JE*

**FAN/BLOWER COIL CONTROLS  
PIC-FC**

ON/OFF MOTOR  
4-PIPE ON/OFF  
HEATING & COOLING  
WITH DAT FOR MONITORING

259535

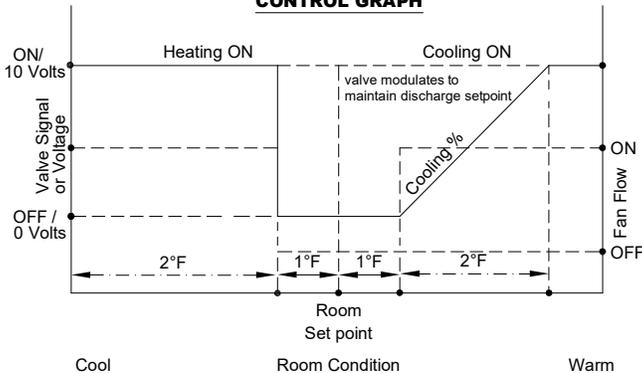
2020/06/19



**LEGEND**

————— FACTORY ELECTRICAL WIRING  
- - - - - FIELD ELECTRICAL WIRING

**CONTROL GRAPH**



**Note:** Price only recommends modulating chilled water valves when the sequence maintains a constant discharge temperature to ensure part load space humidity is controlled.

**Sequence of Operation -- On/Off Fan, On/Off Heating & Modulating Cooling with Cooling Discharge Air Temperature Control**

**Cooling:** On an increase in space temperature above the set point, the controller energizes the fan motor and modulates the chilled water valve to maintain a 55°F (adjustable) discharge air temperature.

**Dead Band:** With no demand in the space, the water valve actuators remain closed. Fan Flow remains OFF.

**Heating:** On a decrease in space temperature below the set point, the controller opens the hot water valve and energizes the fan motor.

**Discharge Air Temperature (DAT) Sensor and Control:** The sensor provides the controller with the discharge air temperature reading. This temperature is used to control the modulating cooling valve to achieve a set discharge temperature. Note: Discharge Air Temperature Control is only possible with modulating valves.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

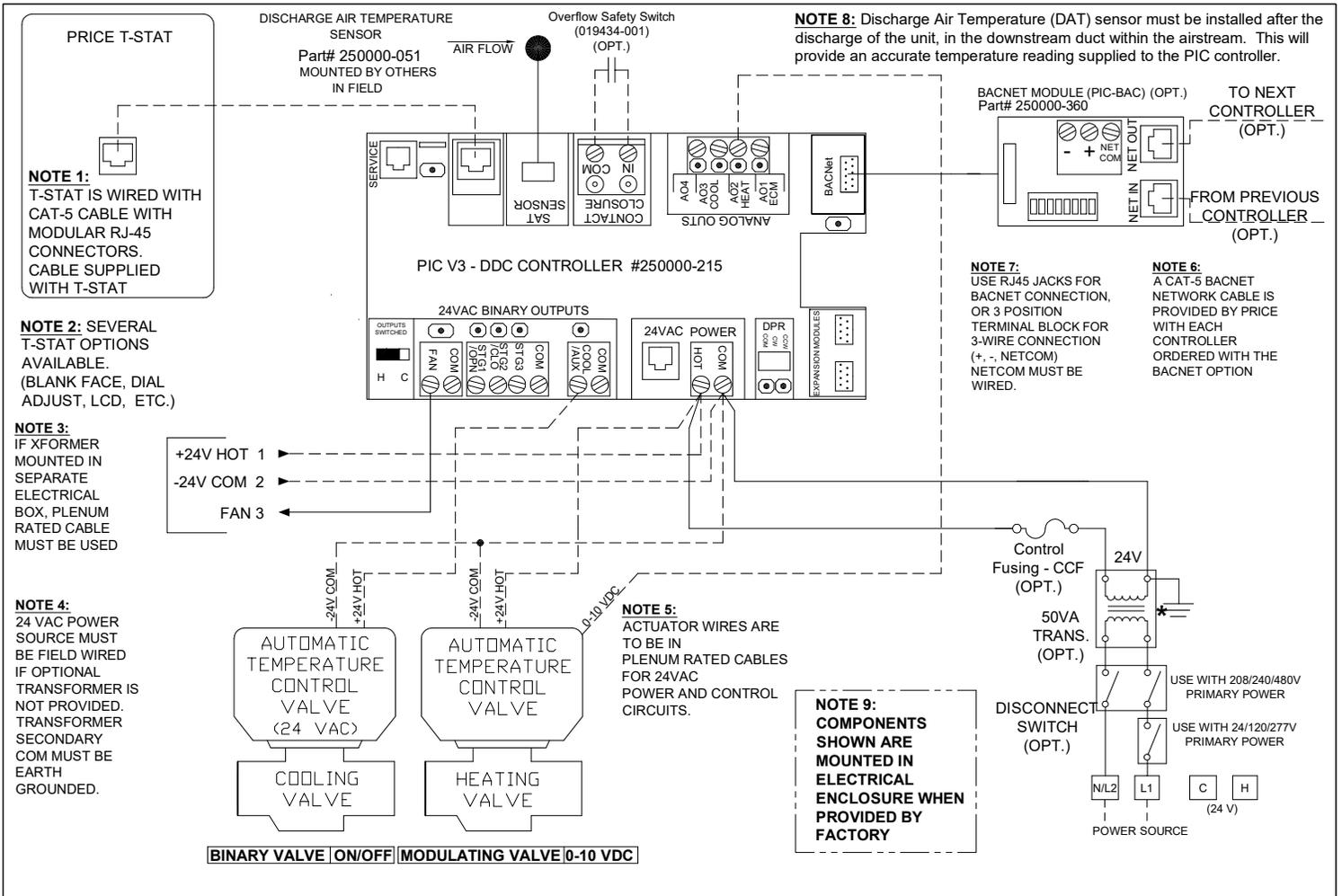
**PRICE**<sup>®</sup>

*mm* *JE*

**FAN/BLOWER COIL CONTROLS  
PIC-FC**  
ON/OFF MOTOR  
4-PIPE ON/OFF HEATING  
& 0-10VDC COOLING  
WITH COOLING DAT CONTROL

259536

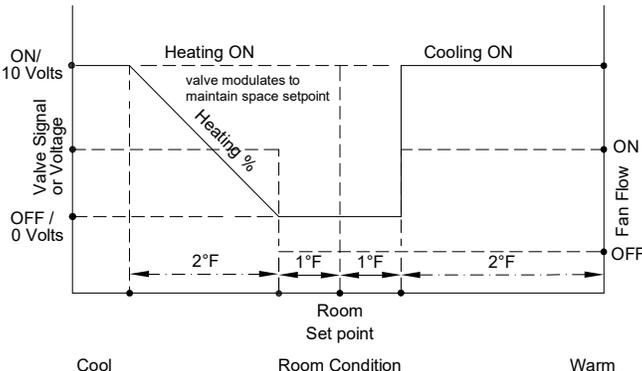
2020/06/19



**LEGEND**

- FACTORY ELECTRICAL WIRING
- - - - - FIELD ELECTRICAL WIRING

**CONTROL GRAPH**



**Sequence of Operation -- On/Off Fan, Modulating Heating & ON/OFF Cooling with Heating Discharge Air Temperature Control**

**Cooling:** On an increase in space temperature above the set point, the controller opens the chilled water valve and energizes the fan motor.

**Dead Band:** With no demand in the space, the water valve actuators remain closed. Fan Flow remains OFF.

**Heating:** On a decrease in space temperature below the set point, the controller energizes the fan motor and modulates the hot water valve to maintain a 90°F (adjustable) discharge air temperature.

**Discharge Air Temperature (DAT) Sensor and Control:** The sensor provides the controller with the discharge air temperature reading. This temperature is used to control the modulating heating valve while trying to achieve a set discharge temperature. Note: Discharge Air Temperature Control is only possible with modulating valves.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

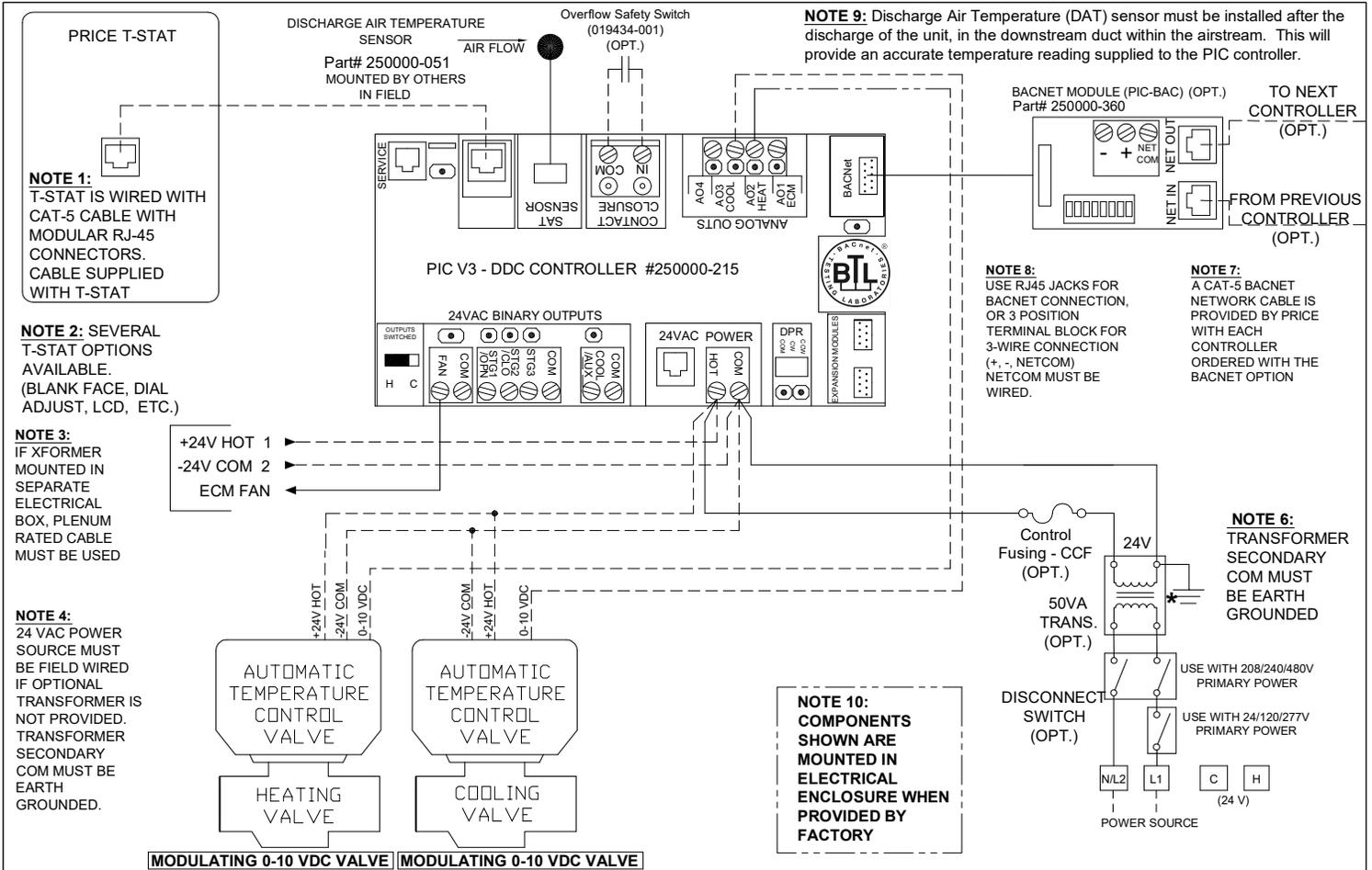
**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

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*je*

259537

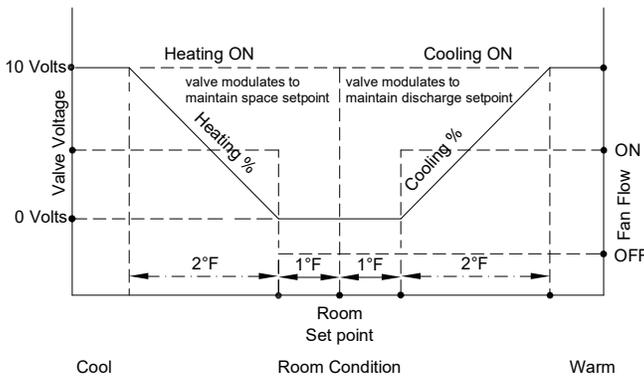
2020/06/22



**LEGEND**

- FACTORY ELECTRICAL WIRING
- - - - - FIELD ELECTRICAL WIRING

**CONTROL GRAPH**



**Note:** Price only recommends modulating chilled water valves when the sequence maintains a constant discharge temperature to ensure part load space humidity is controlled.

**Sequence of Operation -- On/Off Fan, Modulating Heating & Modulating Cooling with Discharge Air Temperature Control**

**Cooling:** On an increase in space temperature above the set point, the controller energizes the fan motor and modulates the chilled water valve to maintain a 55°F (adjustable) discharge air temperature.

**Dead Band:** With no demand in the space, the water valve actuator remains closed. Fan Flow remains OFF.

**Heating:** On a decrease in space temperature below the set point, the controller energizes the fan motor and modulates the hot water valve to maintain a 90°F (adjustable) discharge air temperature.

**Discharge Air Temperature (DAT) Sensor and Control:** The sensor provides the controller with the discharge air temperature reading. This temperature is used to control the modulating valves while trying to achieve a set discharge temperature. Note: Discharge Air Temperature Control is only possible with modulating valves.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

**PRICE**<sup>®</sup>

**FAN/BLOWER COIL CONTROLS  
PIC-FC**

ON/OFF FAN  
4-PIPE 0-10VDC HEATING  
& 0-10VDC COOLING  
WITH DAT CONTROL

259538

2020/06/22