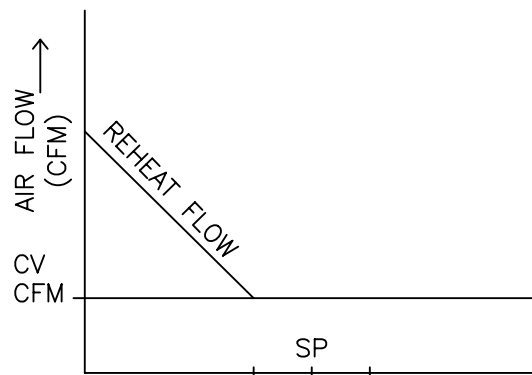


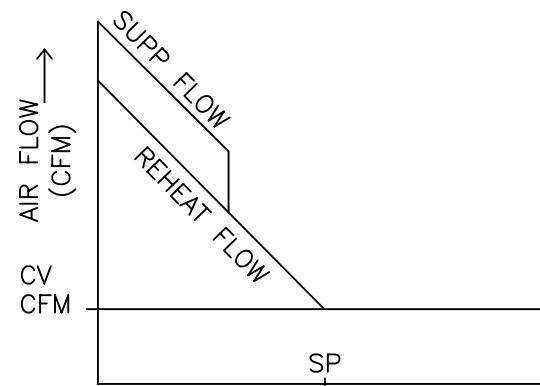
ROOM TEMPERATURE (°F) →
CV BOX CONTROL SEQUENCE
NO DEADBAND

- A. UPON FALL IN SPACE TEMPERATURE BELOW SET POINT VALVE V-1 WILL MODULATE TO MAINTAIN SET POINT $\pm .5^\circ$, THE ADJUSTABLE TOLERANCE OF $\pm .5^\circ$ HAS BEEN SELECTED TO PREVENT VALVE HUNTING
- B. THE REVERSE SHALL OCCUR ON RISE IN SPACE TEMPERATURE.



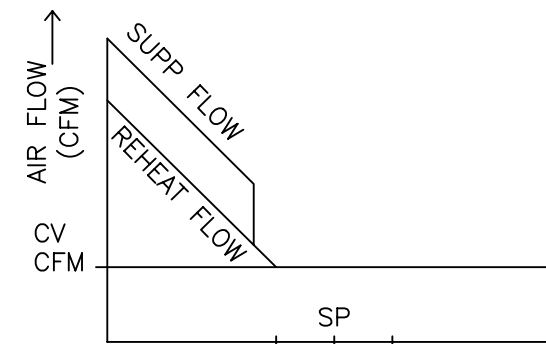
ROOM TEMPERATURE (°F) →
CV BOX CONTROL SEQUENCE
W/DEADBAND

- A. SET POINTS SHALL SET AS FOLLOWS:
COOLING 75° F (ADJ)
HEATING 70° F (ADJ)
DEADBAND OF 5° F BETWEEN HEATING AND COOLING SET POINT WILL BE MAINTAINED
- B. UPON FALL IN SPACE TEMPERATURE BELOW SET POINT VALVE V-1 WILL MODULATE TO MAINTAIN SET POINT $\pm .5^\circ$, THE ADJUSTABLE TOLERANCE OF $\pm .5^\circ$ HAS BEEN SELECTED TO PREVENT VALVE HUNTING
- C. THE REVERSE SHALL OCCUR ON RISE IN SPACE TEMPERATURE.



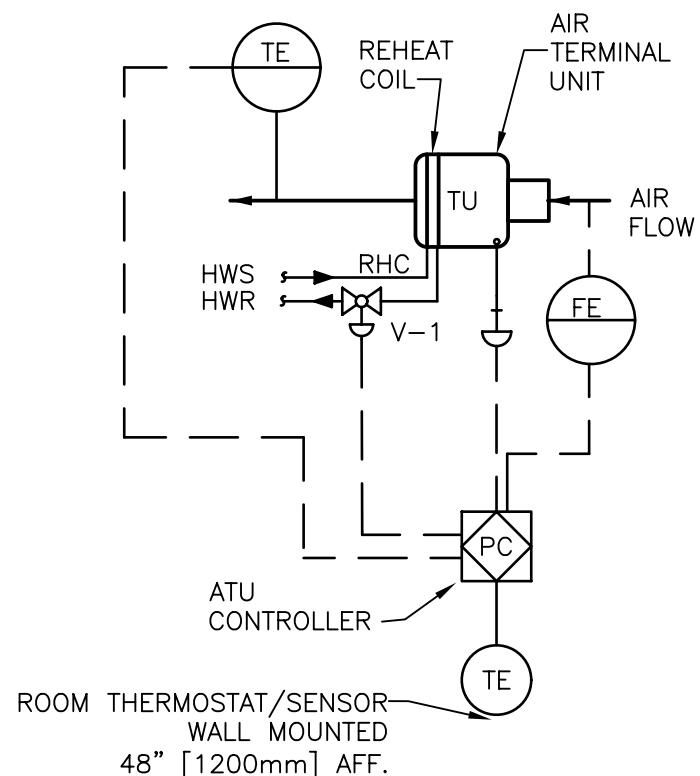
ROOM TEMPERATURE (°F) →
CV BOX CONTROL SEQUENCE
NO DEADBAND

- A. UPON FALL IN SPACE TEMPERATURE BELOW SET POINT VALVE V-1 WILL MODULATE TO MAINTAIN SET POINT $\pm .5^\circ$, THE ADJUSTABLE TOLERANCE OF $\pm .5^\circ$ HAS BEEN SELECTED TO PREVENT VALVE HUNTING
- B. VALVE V-2 SHALL BE ENABLED WHEN OUTSIDE AIR FALLS BELOW 40° F (ADJ) AND VALVE V-1 HAS BEEN MODULATED OPEN ABOVE 30% (ADJ) V-2 SHALL THEN BE MODULATED TO MAINTAIN SET POINT $\pm .5^\circ$ F. THE ADJUSTABLE TOLERANCE OF $.5^\circ$ F HAS BEEN SELECTED TO PREVENT VALVE HUNTING.
- C. THE REVERSE SHALL OCCUR ON RISE IN AIR SPACE TEMPERATURE.

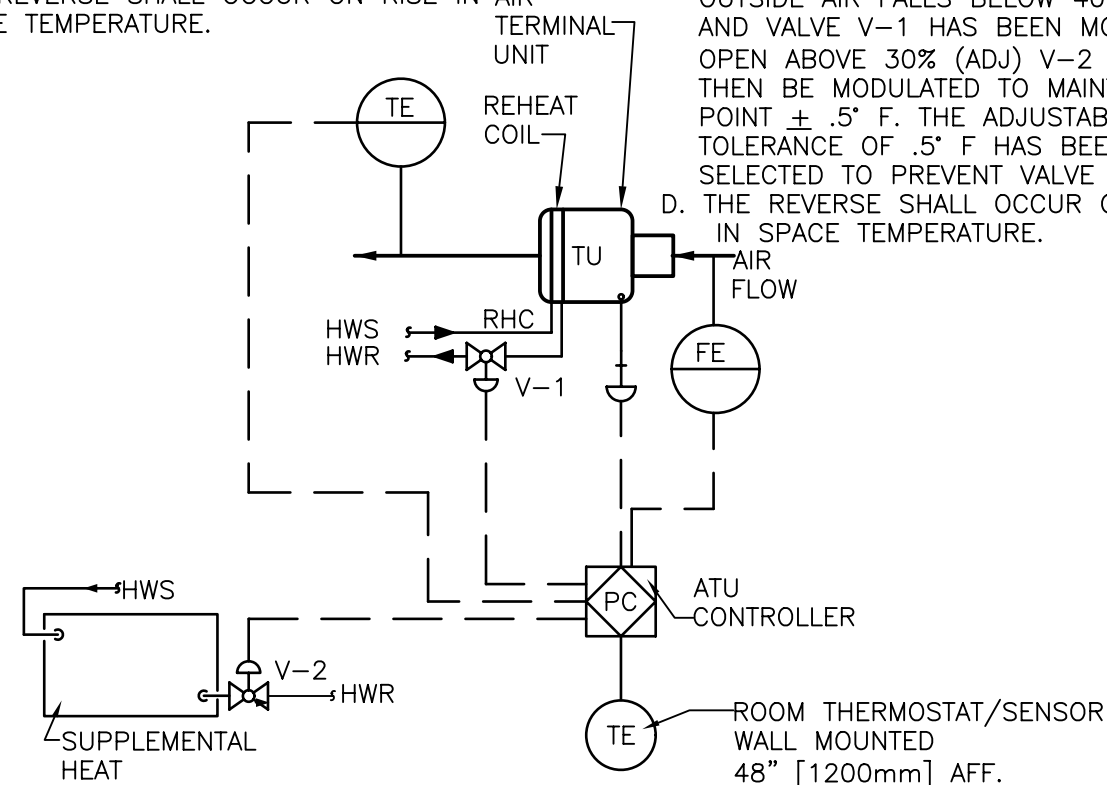


ROOM TEMPERATURE (°F) →
CV BOX CONTROL SEQUENCE
W/DEADBAND

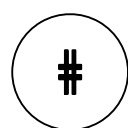
- A. SET POINTS SHALL SET AS FOLLOWS:
COOLING 75° F (ADJ)
HEATING 70° F (ADJ)
DEADBAND OF 5° F BETWEEN HEATING AND COOLING SET POINT WILL BE MAINTAINED
- B. UPON FALL IN SPACE TEMPERATURE BELOW SET POINT VALVE V-1 WILL MODULATE TO MAINTAIN SET POINT $\pm .5^\circ$, THE ADJUSTABLE TOLERANCE OF $\pm .5^\circ$ HAS BEEN SELECTED TO PREVENT VALVE HUNTING
- C. VALVE V-2 SHALL BE ENABLED WHEN OUTSIDE AIR FALLS BELOW 40° F (ADJ) AND VALVE V-1 HAS BEEN MODULATED OPEN ABOVE 30% (ADJ) V-2 SHALL THEN BE MODULATED TO MAINTAIN SET POINT $\pm .5^\circ$ F. THE ADJUSTABLE TOLERANCE OF $.5^\circ$ F HAS BEEN SELECTED TO PREVENT VALVE HUNTING.
- D. THE REVERSE SHALL OCCUR ON RISE IN SPACE TEMPERATURE.



NO SUPPLEMENTAL HEATING



WITH SUPPLEMENTAL HEATING



CONSTANT VOLUME AIR TERMINAL UNIT CONTROL DIAGRAM

NTS

DETAIL TITLE / CONSTANT VOLUME AIR TERMINAL UNIT CONTROL DIAGRAM

Department of Veterans Affairs



SCALE : NONE

DATE ISSUED: DECEMBER 2008

CAD DETAIL NO.: SD233600-01.DWG