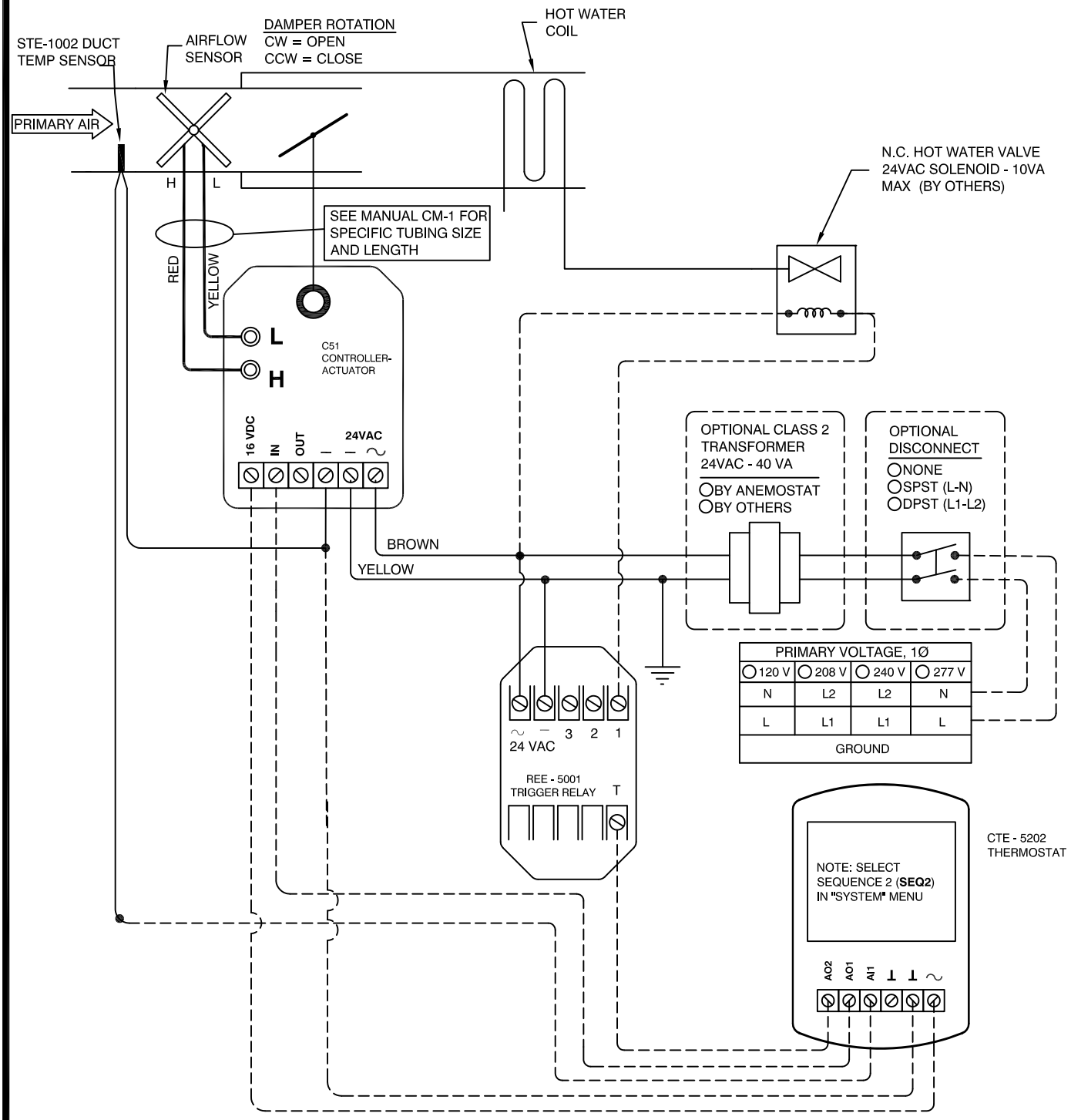
ANEMOSTAT®
AIR TERMINAL CONTROLS

Control Package
SD - A - 5242

- SINGLE DUCT
- ANALOG ELECTRONIC CONTROLS
- VAV HEATING & COOLING
- AUTO HTG-CLG CHANGEOVER
- HOT WATER HEAT (2-POSITION)
- PRESSURE INDEPENDENT
- AIR FLOW SETPOINTS ADJUSTED AT THERMOSTAT



FACTORY WIRING
FIELD WIRING
FACTORY PIPING

REFER TO ANEMOSTAT "CONTROLS MANUAL" (CM-1) FOR ADJUSTMENT & TROUBLESHOOTING PROCEDURES.

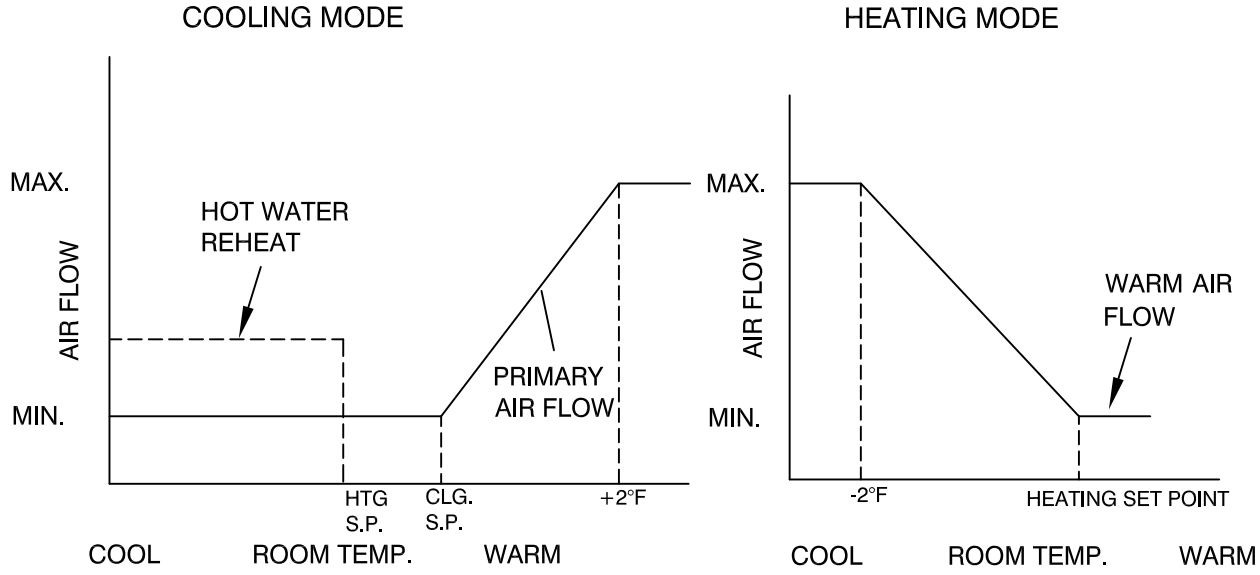
JOB NAME:
SUBMITTED BY:
DATE:

DWG #: SD-A-5242.1
REV: A
DATE: 3-16-2017

ANEMOSTAT®
AIR TERMINAL CONTROLS

Control Package
SD - A - 5242

- **SINGLE DUCT**
- **ANALOG ELECTRONIC CONTROLS**
- **VAV COOLING & HOT WATER HEAT (2-POSITION)**
- **PRESSURE INDEPENDENT**
- **AIR FLOW SETPOINTS ADJUSTED AT THERMOSTAT**



SEQUENCE OF OPERATION

1. THE THERMOSTAT SIGNALS THE CONTROLLER IN RESPONSE TO THE SPACE TEMPERATURE, AND INCLUDES BOTH A COOLING AND HEATING SETPOINT SLIDER.

2. AS THE SPACE TEMPERATURE INCREASES FROM THE COOLING SETPOINT TO +2° F ABOVE THE COOLING SETPOINT, THE DAMPER OPENS FROM MINIMUM AIRFLOW TO MAXIMUM AIRFLOW. ABOVE (CLG SP + 2° F), THE DAMPER MAINTAINS MAXIMUM FLOW.

3. MINIMUM AIRFLOW IS MAINTAINED WHEN THE SPACE TEMPERATURE IS BETWEEN THE HEATING AND COOLING SETPOINTS.

4. WHEN THE SPACE TEMPERATURE HITS THE HEATING SETPOINT, AND IF THERMOSTAT JUMPER T2-R2 IS IN PLACE, THEN THE AIRFLOW RATE IS INDEXED TO THE AUX AIRFLOW SETPOINT. IF THE JUMPER IS REMOVED, THEN THE AIRFLOW RATE IS MAINTAINED AT MINIMUM.

5. THE HOT WATER VALVE IS OPENED AS THE SPACE TEMPERATURE DROPS FROM THE HEATING SETPOINT DOWN TO (HTG SP - 2° F)

6. THE MINIMUM, MAXIMUM, AND AUX AIRFLOW SETPOINTS ARE ADJUSTED AT THE THERMOSTAT.

7. UPON LOSS OF POWER, DAMPER FAILS IN PLACE.

JOB NAME:
SUBMITTED BY:
DATE:

DWG #: SD-A-5242
REV: -
DATE: 4-9-14