VAV MIXING LATERALS

1. DIRECT-ACTING THERMOSTATS:
   A. THE HOT AND COLD DAMPER ACTUATORS WILL BOTH HAVE AN 8-13# SPRING RANGE. THE SIGNAL LINE FROM THE THERMOSTAT TO THE COLD DAMPER WILL INCLUDE A SEQUENCING CUMULATOR WHICH WILL BE SET TO PROVIDE A --3# BIAS TO THE COLD DAMPER ACTUATOR SIGNAL. THAT IS, A 13# THERMOSTAT SIGNAL WOULD PROVIDE A 13# SIGNAL TO THE HOT DAMPER, AND PROVIDE A 10# SIGNAL TO THE COLD DAMPER.

   B. THE COLD DAMPER WILL BE NORMALLY CLOSED: CLOSED AT A DAMPER SIGNAL OF 8# (11# THERMOSTAT SIGNAL) AND BELOW, AND FULL OPEN AT 13# (16# THERMOSTAT SIGNAL) OR GREATER. THE HOT DAMPER WILL BE NORMALLY OPEN: CLOSED AT 13# OR GREATER, AND FULL OPEN AT 8# OR LESS. SEE DIAGRAM BELOW.

1 DETAIL: MIXING LATERAL CONTROL DIAGRAM

SCALE: NONE