



Comfort. Under control.

## 11-28 CARVE AMERICAN GRILL - AUSTIN, TX (TAB, CX)

### CheckList Information

**Name :** 5 - DOAS1 FPT **Status :** NotSubmitted

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

### CheckList Item Details

Validate unoccupied, DOAS is off, OA damper is closed, RA damper is 100% open

Validate unoccupied - call for heat DOAS is on, RA damper is 100% open, OA damper is 100% closed

Validate unoccupied - call for cooling DOAS is on, RA damper is 100% open, OA damper is 100% closed

Validate Occupied, Hoods Off the OA damper is closed / RA damper is 100% open

#### **MIN OPERATION: Drive all fan coils to Occupied-Hoods On mode, 50% hood exhaust**

Validate and record the airflow/OA damper modulates to minimum OA position as set during TAB

Validate and record the the building pressure during this phase of operation

#### **MODULATED OPERATION: Drive all fan coils to Occupied-Hoods on mode and add heat to the hood to slowly modulate exhaust fans from 50% to 100% drive**

Validate and record the fan speed/OA damper incremental changes as the fan modulates to 100%

Validate and record in 10% incremental increases the building pressure through the full range of modulation

#### **MAX OPERATION: Drive all fan coils to Occupied-Hoods On mode, 100% hood exhaust**

Validate and record the fan speed/OA damper final position as the fan modulates to 100%

Validate and record the the building pressure during 100% hood operation

**SUPPLY AIR TEMPERATURE CONTROL**

Verify supply air temperature decrease by 0.5 degrees but no lower than 55 degrees

Manually close 80% of all ATU damper position to below 80% open. Verify the supply air temperature increases by 0.25 degrees but no higher than 60 degrees

Manually adjust the supply air discharge temperature to verify sequencing & function of the economizer & the DX compressors modulate in tandem to satisfy conditions

Additional Comments

**SUPPLY FAN (SF) CONTROL**

Manually increase Space SP setpt enough to maintain Fan(s) speed to less than 50% to verify EA damper modulates to control building pressure. Document results, stability, and response time.

Manually increase Space SP setpt high enough to maintain Fan(s) to modulate when they are more than 50% to maintain space SP. Document results, stability, and response time.

**FREEZE PROTECTION: If the PHC leaving air temperature below setpt, alarm shall activate.**

Manually set PHC Leaving Air to below setpt to verify RA-Damper 100% open, PHC Control Valve 100% open, recirc pump shall command on and an alarm is sent to BAS system

Additional Comments:

**Notes/Comments :**

HVAC Plan shows DOAS 1 serving hood KEH5 and 4 diffusers, not ducted to FCU returns. FCU schedule indicates CU-1 (associated with DOAS 1) is providing OA to FCU's(oa-cfm): 1(420),2(420),3(420),4(10),5(60),6(90),7(775),8(775),9(270),10(180)