



## Shake Shack (Oak Lawn, IL) - Commissioning

### CheckList Information

**Name :** (FPT) RTU-Dining **Status :** NotSubmitted  
**Assigned Organization :** National TAB **Asset :**  
**Requesting Organization :** National TAB

### CheckList Item Details

#### THERMOSTAT PROGRAMMING AND CALIBRATION

Occupied Time	8:00 AM
Occupied Heat setpoint - Cooling Setpoint	68 Heat 72 Cool
Unoccupied Time	12:00 AM (Midnight)
Unoccupied Heat Setpoint - Cooling Setpoint	64 Heat 76 Cool
Global Thermostat Settings:	60% Dehumidification, Fan "on", System set to: "Auto", fan set to: "follow schedule"
Space Sensor (TSTAT) Temp and RH reading / Commissioning Agent Space Temp and RH reading	Space Sensor: 72 DEG - 63% RH / CxA Readings 71 DEG - 61.4% RH (+ 1 deg F above calibration / + 1.6 % RH above calibration)

#### CONTROL WIRING VALIDATION

Thermostat hard wired or wireless communication active	Occupied : (Pass) Control :(Pass)
Comment	EIM wireless boards - Communication confirmed
Outdoor Air Temperature and Humidity Sensor Installed	Pass
Return Air Temperature and Humidity Sensor Installed	Fail
MAT (supply Air) Temperature sensor Installed	Pass
Occupancy change over working properly	Pass
Call for all stages of heating and cooling working properly	Pass
Humidity sensor from space actively calling for dehumidification	Pass

#### CALIBRATION & PROGRAMMING

Local Weather Data Temperature	82 deg. F
RTU-Honeywell Control OAT-RH% / Commissioning Agent OAT-RH%	Occupied : (Pass) Control :(Pass) 73.5 deg F - 61% / 80.5 deg F - 74% (Honeywell sensor out of calibration)
Comment	
RTU-Honeywell MAT / Commissioning Agent MAT- RH%.	Occupied : (Pass) Control :(Pass) None / 75.1 deg F. - 72.6%
Comment	
RTU-Honeywell RAT /Commissioning Agent RAT- RH%	Occupied : (Pass) Control :(Pass) None / 73.0 deg F - 67%
Comment	
Honeywell MAT (supply air temperature sensor)	Occupied : (Pass) Control :(Pass)
Comment	60.0 deg F (time of reading stage 1 cooling)
Stage 1 cooling Commissioning Agent SAT-RH%	Occupied : (Pass) Control :(Pass)
Comment	59.2 deg F. / 78.1% RH: Fan Low Spd, Stage 1 cooling, 51% OA damper
Stage 2 cooling Commissioning Agent SAT-RH%	Occupied : (Pass) Control :(Pass)
Comment	56.4 deg F. - 91.6% RH: Fan High Spd, Stage 2 cooling, 39% OA damper
Dehumidification Commissioning Agent SAT-RH% (DX coil)	Occupied : (Pass) Control :(Pass)
Comment	69.0 deg F. - 98.6% RH: Fan High Spd, Stage 1 cooling, Stage 1 heating, 39% OA damper
<b>OUTDOOR AIR / RELIEF DAMPER</b>	
Open Free cooling and confirm OA damper opens 100% RA air damper closes 0% and relief fan energizes	
Record the space pressure with RTU in free cooling	
Record the enthalpy free cooling setpoint for the RTU	Honeywell - Enthalpy Curve setpoint: E5
Low temp lockout temperature	32 Deg F.
MAT Setpoint (supply air temperature)	55 deg F.
Min Pos High	3.65 v Matches balance report. OA airflow is within 5% of TAB reading
Min Pos Low	5.05 v. Matches balance report. OA airflow is within 5% of TAB reading
Exh 1 High set	Gravity Relief Damper
Exh 1 Low set	Gravity Relief Damper

**OCCUPANCY VALIDATION**

Place the thermostat in "unoccupied" - Does the OA damper close fully	Pass
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Place the thermostat in "Occupied" - Does the OA damper open to the TAB minimum position	Pass
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