

Report By:

National TAB
1329 E. KEMPER ROAD
SUITE 4210
CINCINNATI, OH 45246

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Comfort. Under control.

Report: PLAN REVIEW
Function: Test, Adjust, & Balance
Date: 10/02/2022

PROJECT

**10-24 CHIPOTLE #09-4245 LONGWOOD, FL
(LONGWOOD)**

2700 W. STATE RD 434

LONGWOOD, FL 32779

Client

Chipotle Mexican Grill
1401 Wynkoop Street, Suite 500
Denver, CO 80202

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Project: 10-24 CHIPOTLE #09-4245 LONGWOOD, FL (LONGWOOD)

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CheckList Information

| | | | |
|----------------------------------|--------------|-----------------|--------------|
| Name : | PLAN REVIEW | Status : | NotSubmitted |
| Assigned Organization : | National TAB | Asset : | |
| Requesting Organization : | National TAB | | |

CheckList Item Details

| | |
|---|---|
| Processor Name: | DAMIAN |
| We have the latest set of drawings and are not working off the Bid Set: | YES |
| Do we have the submittals from RTU OEM | NO |
| Scheduled AHU/RTU airflow is equivalent to 350 CFM/ton to 400 CFM/ton | YES |
| Air device totals equal the scheduled airflow of equipment | NO, RTU-1 SCHEDULE 3400/4000 DRAWINGS (600 CFM OFF) |
| All air devices have an airflow specified | NO, EXHAUST DIFFYSER 1-3 NOT SPECIFIED |
| Less than 30% ratio of OA to SA for all RTU's/AHU's | YES |
| Net space airflow is between 0 to 500 CFM positive | YES |
| Scheduled Hood airflow match scheduled EF and MAU airflows | YES |
| Address correct? | YES |
| Are the units typical of the prototype? (ie not AHUs, HPs, WSHPs,...) | YES |
| If OEM provides thermostat (ie, not a lightstat) is thermostat checklist created? | NA |
| If there are hydroincs what type of valves are there? (Auto flow or Manual; Ask GC/Get Submittal) | NA |
| Engineer is not required to witness and stamp smoke capture test? (Mecklenburg County, NC only) | YES |

Smoke detector testing is not required? (Arizona; Orlando, FL metro area only) NO, FL

Inspector are not required to witness hood readings? (Palm Beach County, FL) YES

Notes/Comments :

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Project: 10-24 CHIPOTLE #09-4245 LONGWOOD, FL (LONGWOOD)

System/Unit: AHU/RTU



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Asset: RTU-1

AREA: KITCHEN

| Unit Data | | |
|---------------------|----------|----------|
| | Design | Actual |
| MFG | CARRIER | CARRIER |
| Serial Num | - | |
| Model Num | 48HC_D09 | 48HC_D09 |
| Type | RTU | |
| Configuration | VERTICAL | |
| Num OA Filters 1 | - | |
| OA Filter Size 1 | - | |
| Num Final Filter 1 | - | |
| Final Filter Size 1 | - | |
| Num Final Filter 2 | - | |
| Final Filter Size 2 | - | |

| Motor Data | | |
|----------------|--------|--------|
| | Design | Actual |
| Motor MFG | - | |
| Frame | - | |
| Horsepower | - | |
| Motor Rpm | - | |
| Phase | 3 | |
| Rated Voltage | 208 | |
| Rated Amperage | - | |

| Drive Data | | |
|--------------------|--------|--------|
| | Design | Actual |
| Motor Sheave Size | - | |
| Motor Bore Size | - | |
| Motor Sheave SetPt | - | |
| Fan Sheave Size | - | |
| Fan Sheave Bore | - | |
| Belt CL Distance | - | |
| Num of Belts | - | |
| Belt Size | - | |
| Belt Alignment | - | |

| Test Data | | |
|------------------------|--------|--------|
| | Design | Actual |
| SF CFM | 3400 | |
| SF RPM | - | |
| RA CFM | 2900 | |
| OA CFM | 500 | |
| RL Voltage | - | |
| RL Amperage | - | |
| SF Rotation | - | |
| RA Damper Position | - | |
| Min OA Damper Position | - | |
| Min OA Damper Type | - | |
| OA Enthalpy Setpt | - | |
| Brake Horse Power | - | |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | |
| Fan Suction SP | - | |
| Fan Discharge SP | - | |
| Total ESP | 0.80" | |
| Fan Total SP | - | |

| General | | |
|----------------------------|--------|--------|
| | Design | Actual |
| Fan Rotation Correct | - | |
| Unit Filters Clean | - | |
| Condensate Drain Installed | - | |

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Project:10-24 CHIPOTLE #09-4245 LONGWOOD, FL (LONGWOOD)

AHU/RTU



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Diffuser Supply (GRD)

RTU-1/KITCHEN

| Asset | | | | | | | | | | | | | |
|------------|-----------|-------|--------|---------|-----------|------------|------|--------|--------|--------|--------|-----------|-------------|
| Asset Name | Location | Type | MFG | Size | Model Num | DESIGN CFM | AK | VEL(1) | CFM(1) | VEL(2) | CFM(2) | FINAL CFM | % to design |
| SGRD1 | OFFICE | CD1 | SUPPLY | 8" | NA | 150 | | | | | | | - |
| SGRD2 | BOH | CD1 | SUPPLY | 14" | NA | 500 | | | | | | | - |
| SGRD3 | BOH | CD1 | SUPPLY | 14" | NA | 500 | | | | | | | - |
| SGRD4 | BOH | CD1 | SUPPLY | 14" | NA | 525 | | | | | | | - |
| SGRD5 | FOOD PREP | CD3 | SUPPLY | | NA | 525 | | | | | | | - |
| SGRD6 | COOKLINE | CD2 | SUPPLY | 8" | NA | 250 | | | | | | | - |
| SGRD7 | COOKLINE | CD2 | SUPPLY | 8" | NA | 250 | | | | | | | - |
| SGRD8 | COOKLINE | CD2 | SUPPLY | 8" | NA | 250 | | | | | | | - |
| SGRD9 | COOKLINE | CD2 | SUPPLY | 8" | NA | 250 | | | | | | | - |
| SGRD10 | HOOD1 | ACPSP | SUPPLY | 183"X6" | NA | 800 | 5.95 | | | | | | - |

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System/Unit: AHU/RTU



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Asset: RTU-2

AREA:DINING

| Unit Data | | |
|---------------------|----------|----------|
| | Design | Actual |
| MFG | CARRIER | CARRIER |
| Serial Num | - | |
| Model Num | 48HC_D11 | 48HC_D11 |
| Type | RTU | |
| Configuration | VERTICAL | |
| Num OA Filters 1 | - | |
| OA Filter Size 1 | - | |
| Num Final Filter 1 | - | |
| Final Filter Size 1 | - | |
| Num Final Filter 2 | - | |
| Final Filter Size 2 | - | |

| Motor Data | | |
|----------------|--------|--------|
| | Design | Actual |
| Motor MFG | - | |
| Frame | - | |
| Horsepower | - | |
| Motor Rpm | - | |
| Phase | 3 | |
| Rated Voltage | 208 | |
| Rated Amperage | - | |

| Drive Data | | |
|--------------------|--------|--------|
| | Design | Actual |
| Motor Sheave Size | - | |
| Motor Bore Size | - | |
| Motor Sheave SetPt | - | |
| Fan Sheave Size | - | |
| Fan Sheave Bore | - | |
| Belt CL Distance | - | |
| Num of Belts | - | |
| Belt Size | - | |
| Belt Alignment | - | |

| Test Data | | |
|------------------------|--------|--------|
| | Design | Actual |
| SF CFM | 4000 | |
| SF RPM | - | |
| RA CFM | 3000 | |
| OA CFM | 1000 | |
| RL Voltage | - | |
| RL Amperage | - | |
| SF Rotation | - | |
| RA Damper Position | - | |
| Min OA Damper Position | - | |
| Min OA Damper Type | - | |
| OA Enthalpy Setpt | - | |
| Brake Horse Power | - | |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | |
| Fan Suction SP | - | |
| Fan Discharge SP | - | |
| Total ESP | 0.80" | |
| Fan Total SP | - | |

| General | | |
|----------------------------|--------|--------|
| | Design | Actual |
| Fan Rotation Correct | - | |
| Unit Filters Clean | - | |
| Condensate Drain Installed | - | |

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Project:10-24 CHIPOTLE #09-4245 LONGWOOD, FL (LONGWOOD)

AHU/RTU



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Diffuser Supply (GRD)

RTU-2/DINING

| Asset | | | | | | | | | | | | | |
|------------|----------|------|--------|--------|-----------|------------|----|--------|--------|--------|--------|-----------|-------------|
| Asset Name | Location | Type | MFG | Size | Model Num | DESIGN CFM | AK | VEL(1) | CFM(1) | VEL(2) | CFM(2) | FINAL CFM | % to design |
| SGRD1 | DINING | SR1 | SUPPLY | 14" | NA | 720 | | | | | | | - |
| SGRD2 | DINING | SR1 | SUPPLY | 14" | NA | 720 | | | | | | | - |
| SGRD3 | DINING | SR1 | SUPPLY | 14" | NA | 720 | | | | | | | - |
| SGRD4 | DINING | SR1 | SUPPLY | 14" | NA | 720 | | | | | | | - |
| SGRD5 | DINING | SR1 | SUPPLY | 14" | NA | 720 | | | | | | | - |
| SGRD6 | DINING | SR2 | SUPPLY | 14"X6" | NA | 400 | | | | | | | - |

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Project: 10-24 CHIPOTLE #09-4245 LONGWOOD, FL (LONGWOOD)

System/Unit: FAN - Exhaust



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Asset: EF3

AREA:

| Unit Data | | |
|----------------------|--------------|--------------|
| | Design | Actual |
| MFG | CAPTIVE-AIRE | CAPTIVE-AIRE |
| Model Num | DR12HFA | DR12HFA |
| Serial Num | - | |
| Type | DOWNBLAST | |
| Configuration | VERTICAL | |

| Motor Data | | |
|-------------------------|--------|--------|
| | Design | Actual |
| Motor MFG | - | |
| Frame | - | |
| Horsepower | 0.18 | |
| Motor Rpm | - | |
| Phase | 1 | |
| Voltage (rated) | 120 | |
| Amperage (rated) | - | |
| Service Factor | - | |

| Test Data | | |
|-------------------------|--------|--------|
| | Design | Actual |
| CFM | 150 | |
| Fan RPM | 1282 | |
| Fan Rotation | - | |
| Motor RPM | - | |
| System SetPt | - | |
| RL Voltage | - | |
| RL Amperage | - | |
| Total ESP | 0.60" | |
| Fan Inlet SP | - | |
| Fan Discharge SP | - | |

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FAN - Exhaust



Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF3/

| Asset | | | | | | | | | |
|------------|----------|------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| EGRD1 | RR | | | | | | | | |
| EGRD2 | RR | | | | | | | | |

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Project: 10-24 CHIPOTLE #09-4245 LONGWOOD, FL (LONGWOOD)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF-1

AREA:HD-1 - COOKLINE

| Unit Data | | |
|---------------|--------------|--------------|
| | Design | Actual |
| MFG | CAPTIVE-AIRE | CAPTIVE-AIRE |
| Model Num | DU85HFA | DU85HFA |
| Serial Num | - | |
| Type | UPBLAST | |
| Configuration | VERTICAL | |

| Motor Data | | |
|------------------|--------|--------|
| | Design | Actual |
| Motor MFG | - | |
| Frame | - | |
| Horsepower | 0.75 | |
| Motor Rpm | - | |
| Phase | 1 | |
| Voltage (rated) | 120 | |
| Amperage (rated) | - | |
| Service Factor | - | |

| Test Data | | |
|------------------|--------|--------|
| | Design | Actual |
| CFM | 1600 | |
| Fan RPM | 1384 | |
| Fan Rotation | - | |
| Motor RPM | - | |
| System SetPt | - | |
| RL Voltage | - | |
| RL Amperage | - | |
| Total ESP | 1.20" | |
| Fan Inlet SP | - | |
| Fan Discharge SP | - | |

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Project: 10-24 CHIPOTLE #09-4245 LONGWOOD, FL (LONGWOOD)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF-2

AREA:HD-1 - COOKLINE

| Unit Data | | |
|---------------|--------------|--------------|
| | Design | Actual |
| MFG | CAPTIVE-AIRE | CAPTIVE-AIRE |
| Model Num | DU85HFA | DU85HFA |
| Serial Num | - | |
| Type | UPBLAST | |
| Configuration | VERTICAL | |

| Motor Data | | |
|------------------|--------|--------|
| | Design | Actual |
| Motor MFG | - | |
| Frame | - | |
| Horsepower | 0.75 | |
| Motor Rpm | - | |
| Phase | 1 | |
| Voltage (rated) | 120 | |
| Amperage (rated) | - | |
| Service Factor | - | |

| Test Data | | |
|------------------|--------|--------|
| | Design | Actual |
| CFM | 1600 | |
| Fan RPM | 1384 | |
| Fan Rotation | - | |
| Motor RPM | - | |
| System SetPt | - | |
| RL Voltage | - | |
| RL Amperage | - | |
| Total ESP | 1.20" | |
| Fan Inlet SP | - | |
| Fan Discharge SP | - | |

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Project: 10-24 CHIPOTLE #09-4245 LONGWOOD, FL (LONGWOOD)

System/Unit: FAN - Supply



Comfort. Under control.

Asset: MAU-1

AREA:HD-1 - COOKLINE

| Unit Data | | |
|---------------|--------------|--------------|
| | Design | Actual |
| MFG | CAPTIVE-AIRE | CAPTIVE-AIRE |
| Model Num | A1-D.250-G10 | A1-D.250-G10 |
| Serial Num | - | |
| Type | MUA | |
| Configuration | VERTICAL | |

| Motor Data | | |
|------------------|--------|--------|
| | Design | Actual |
| Motor MFG | - | |
| Frame | - | |
| Horsepower | 2 | |
| Motor Rpm | - | |
| Phase | 3 | |
| Voltage (rated) | 208 | |
| Amperage (rated) | - | |
| Service Factor | - | |

| Drive Data | | |
|-------------------------|--------|--------|
| | Design | Actual |
| Motor Sheave Size | - | |
| Motor Bore Size | - | |
| Fan Sheave Size | - | |
| Fan Sheave Bore | - | |
| Belt CL Distance | - | |
| Num of Belts | - | |
| Belt Size | - | |
| Belt Alignment Verified | - | |

| Gas Heat | | |
|---------------------------|--------|--------|
| | Design | Actual |
| Heater Operates (y/n) | - | |
| Flame Status (pass/fail) | - | |
| Inlet Air Temp SetPt | 55 | |
| Discharge Air Temp SetPt | 60 | |
| Air Flow Switch SP Actual | - | |

| Test Data | | |
|------------------|--------|--------|
| | Design | Actual |
| CFM | 1950 | |
| SF RPM | 2050 | |
| Motor RPM | - | |
| RL Voltage | - | |
| RL Amperage | - | |
| Total ESP | - | |
| Fan Discharge SP | - | |

| General | | |
|----------------------|--------|--------|
| | Design | Actual |
| Fan Rotation Correct | - | |

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Project: 10-24 CHIPOTLE #09-4245 LONGWOOD, FL (LONGWOOD)

System/Unit: Kitchen Hood Type I



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Asset: HD-1

AREA:COOK LINE

| Unit Data | | |
|----------------------|-------------------|-------------------|
| | Design | Actual |
| MFG | CAPTIVE-AIRE | CAPTIVE-AIRE |
| Model Num | 5424 ND-2-ACPSP-F | 5424 ND-2-ACPSP-F |
| Job / Serial Num | - | |
| Type | TYPE I CANOPY | |
| Hood length | 171" | |
| Hood Width | 54" | |
| Supply Plenum Type | - | |
| Supply Plenum Width | 12" | |
| Supply Plenum Length | 183" | |

| Test Data Exhaust | | |
|--------------------------|---------------|--------|
| | Design | Actual |
| Filter Type | CAPTRATE SOLO | |
| Filter Size 1 | 16X16 | |
| Filter Size 2 | 16X16 | |
| Filter Qty 1 | 10 | |
| Filter Qty 2 | - | |
| Filter AK factor size 1 | 1.62 | |
| Filters AK factor size 2 | - | |
| Filter Total AK Area | 16.2 | |
| Filter1 FPM | - | |
| Filter2 FPM | - | |
| Filter3 FPM | - | |
| Filter4 FPM | - | |
| Filter5 FPM | - | |
| Filter6 FPM | - | |
| Filter7 FPM | - | |
| Filter8 FPM | - | |
| Filter9 FPM | - | |
| Filter10 FPM | - | |
| Filter11 FPM | - | |
| Filter12 FPM | - | |
| Filter Ave FPM(corr) | - | |
| CFM | 3200 | |

| Cooking Equipment | | |
|-------------------|--------|--------|
| | Design | Actual |
| Item 1 | - | |
| Item 2 | - | |
| Item 3 | - | |
| Item 4 | - | |
| Item 5 | - | |

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Notes:

| Test Data Supply | | |
|------------------|--------|--------|
| | Design | Actual |
| Total AK Area | 15.25 | |
| Kv factor (Vel) | 0.87 | |
| Num of Readings | - | |
| Reading1 FPM | - | |
| Reading2 FPM | - | |
| Reading3 FPM | - | |
| Reading4 FPM | - | |
| Reading5 FPM | - | |
| Reading6 FPM | - | |
| Reading7 FPM | - | |
| Reading8 FPM | - | |
| Reading9 FPM | - | |
| Reading10 FPM | - | |
| Reading11 FPM | - | |
| Reading12 FPM | - | |
| Reading13 FPM | - | |
| Reading14 FPM | - | |
| Ave FPM(corr) | - | |
| CFM | 1950 | |

| Performance Data | | |
|-----------------------------|--------|--------|
| | Design | Actual |
| Exh-Supply Net CFM | 1250 | |
| Smoke Generation Type | - | |
| Cooking Equip Heat On | - | |
| Hood Capture % | - | |
| End Panels Installed (Y/N) | - | |
| Space Offset Temp Riser 1 | - | |
| Space Offset Temp Riser 2 | - | |
| Riser Temp F (idle) Riser 1 | - | |
| Riser Temp F (idle) Riser 2 | - | |
| Ambient Room Temp | - | |

| General | | |
|---------------------|--------|--------|
| | Design | Actual |
| Third Party Witness | - | |
| Third Party Company | - | |
| Tech Witness | - | |