

**Report By:**

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**NATIONAL**

**TAB**

Comfort. Under control.

**Report: PLAN REVIEW  
Function: Test, Adjust, & Balance  
Date: 09/29/2022**

# **PROJECT**

**10-10 CHIPOTLE #04-3419 WATSONVILLE,  
CA (WATSONVILLE)**

1075 Main St

WATSONVILLE, CA 95076

## **Client**

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

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Project: 10-10 CHIPOTLE #04-3419 WATSONVILLE, CA (WATSONVILLE)

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## 10-10 CHIPOTLE #04-3419 WATSONVILLE, CA (WATSONVILLE)

### CheckList Information

|                                  |              |                 |              |
|----------------------------------|--------------|-----------------|--------------|
| <b>Name :</b>                    | PLAN REVIEW  | <b>Status :</b> | NotSubmitted |
| <b>Assigned Organization :</b>   | National TAB | <b>Asset :</b>  |              |
| <b>Requesting Organization :</b> | 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  | YES    |
| All air devices have an airflow specified   | YES    |
| 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?                 | YES    |
| If there are hydroincs what type of valves are there? (Auto flow or Manual; Ask GC/Get Submittal) | YES    |
| 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) YES

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

**Notes/Comments :**

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Project: 10-10 CHIPOTLE #04-3419 WATSONVILLE, CA (WATSONVILLE)

System/Unit: AHU/RTU



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Asset: RTU-1

AREA: KITCHEN

| Unit Data           |          |        |
|---------------------|----------|--------|
|                     | Design   | Actual |
| MFG                 | TRANE    | TRANE  |
| Serial Num          | -        |        |
| Model Num           | YHC102   | YHC102 |
| 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 | -        |        |

| Test Data              |        |        |
|------------------------|--------|--------|
|                        | Design | Actual |
| SF CFM                 | 3400   |        |
| SF RPM                 | -      |        |
| RA CFM                 | 2850   |        |
| OA CFM                 | 550    |        |
| RL Voltage             | -      |        |
| RL Amperage            | -      |        |
| SF Rotation            | -      |        |
| RA Damper Position     | -      |        |
| Min OA Damper Position | -      |        |
| Min OA Damper Type     | -      |        |
| OA Enthalpy Setpt      | -      |        |

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

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

| 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     | -      |        |

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

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## 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 | 10"     | NA        | 300        |      |        |        |        |        |           | -           |
| SGRD3      | BOH          | CD1   | SUPPLY | 10"     | NA        | 300        |      |        |        |        |        |           | -           |
| SGRD4      | BOH          | CD1   | SUPPLY | 8"      | NA        | 200        |      |        |        |        |        |           | -           |
| SGRD5      | BOH          | CD1   | SUPPLY | 8"      | NA        | 200        |      |        |        |        |        |           | -           |
| SGRD6      | FOOD PREP    | CD1   | SUPPLY | 12"     | NA        | 450        |      |        |        |        |        |           | -           |
| SGRD7      | SERVICE LINE | CD2   | SUPPLY | 8"      | NA        | 250        |      |        |        |        |        |           | -           |
| SGRD8      | SERVICE LINE | CD2   | SUPPLY | 8"      | NA        | 250        |      |        |        |        |        |           | -           |
| SGRD9      | SERVICE LINE | CD2   | SUPPLY | 8"      | NA        | 250        |      |        |        |        |        |           | -           |
| SGRD10     | SERVICE LINE | CD2   | SUPPLY | 8"      | NA        | 250        |      |        |        |        |        |           | -           |
| SGRD11     | HOOD1        | ACPSP | SUPPLY | 183"X6" | NA        | 800        | 5.95 |        |        |        |        |           | -           |

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Project: 10-10 CHIPOTLE #04-3419 WATSONVILLE, CA (WATSONVILLE)

System/Unit: AHU/RTU



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Asset: RTU-2

AREA:DINING

| Unit Data           |          |        |
|---------------------|----------|--------|
|                     | Design   | Actual |
| MFG                 | TRANE    | TRANE  |
| Serial Num          | -        |        |
| Model Num           | YHC120   | YHC120 |
| 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 | -        |        |

| 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      | -      |        |

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

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

| 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     | -      |        |

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

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Project: 10-10 CHIPOTLE #04-3419 WATSONVILLE, CA (WATSONVILLE)

## 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        | 300        |    |        |        |        |        |           | -           |
| SGRD2      | DINING   | SR1  | SUPPLY | 14"  | NA        | 300        |    |        |        |        |        |           | -           |
| SGRD3      | DINING   | SR1  | SUPPLY | 14"  | NA        | 850        |    |        |        |        |        |           | -           |
| SGRD4      | DINING   | SR1  | SUPPLY | 14"  | NA        | 850        |    |        |        |        |        |           | -           |
| SGRD5      | DINING   | SR1  | SUPPLY | 14"  | NA        | 850        |    |        |        |        |        |           | -           |
| SGRD6      | DINING   | SR1  | SUPPLY | 14"  | NA        | 850        |    |        |        |        |        |           | -           |

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Project: 10-10 CHIPOTLE #04-3419 WATSONVILLE, CA (WATSONVILLE)

System/Unit: FAN - Exhaust



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Asset: EF-1

AREA:HD-1 - COOKLINE

| Unit Data     |              |              |
|---------------|--------------|--------------|
|               | Design       | Actual       |
| MFG           | CAPTIVE-AIRE | CAPTIVE-AIRE |
| Model Num     | NCA24HPFA    | NCA24HPFA    |
| Serial Num    | -            |              |
| Type          | UPBLAST      |              |
| Configuration | VERTICAL     |              |

| Test Data     |        |        |
|---------------|--------|--------|
|               | Design | Actual |
| CFM           | 3200   |        |
| Fan RPM       | -      |        |
| Fan Rotation  | -      |        |
| Motor RPM     | -      |        |
| RL Voltage    | -      |        |
| RL Amperage   | -      |        |
| Suction ESP   | -      |        |
| Discharge ESP | -      |        |
| Total ESP     | 1.20"  |        |

| 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    | -      |        |
| Motor Sheave SetPt | -      |        |
| Fan Sheave Size    | -      |        |
| Fan Sheave Bore    | -      |        |
| Belt CL Distance   | -      |        |
| Num of Belts       | -      |        |
| Belt Size          | -      |        |

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Project: 10-10 CHIPOTLE #04-3419 WATSONVILLE, CA (WATSONVILLE)

## System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF-2

AREA:RR

| 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              | 200    |        |
| Fan RPM          | -      |        |
| 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



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### Diffuser Ret/Exh (GRD)

#### EF-2/RR

| Asset      |          |      |       |            |    |        |        |           |             |
|------------|----------|------|-------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location | Type | Size  | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| EGRD1      | RR       | ER1  | 6"X6" | 100        |    |        |        |           | -           |
| EGRD2      | RR       | ER1  | 6"X6" | 100        |    |        |        |           | -           |

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Project: 10-10 CHIPOTLE #04-3419 WATSONVILLE, CA (WATSONVILLE)

## System/Unit: FAN - Supply



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Asset: MUA-1

AREA:HD-1 - COOKLINE

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

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

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

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

| Test Data               |        |        |
|-------------------------|--------|--------|
|                         | Design | Actual |
| <b>CFM</b>              | 1950   |        |
| <b>SF RPM</b>           | -      |        |
| <b>Motor RPM</b>        | -      |        |
| <b>RL Voltage</b>       | -      |        |
| <b>RL Amperage</b>      | -      |        |
| <b>Total ESP</b>        | -      |        |
| <b>Fan Discharge SP</b> | -      |        |

| General                     |        |        |
|-----------------------------|--------|--------|
|                             | Design | Actual |
| <b>Fan Rotation Correct</b> | -      |        |

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Project: 10-10 CHIPOTLE #04-3419 WATSONVILLE, CA (WATSONVILLE)

## 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            | -             |        |
| 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            | -      |        |

| 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   |        |

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