

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: 12/26/2022

PROJECT

**12-26 CHIPOTLE #39-4091 GREER, SC
(GREER)**

1126 WADE HAMPTON

GREER, SC 29650

Client

Chipotle Mexican Grill
1401 Wynkoop Street, Suite 500

Denver, CO 80202

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Project: 12-26 CHIPOTLE #39-4091 GREER, SC (GREER)

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12-26 CHIPOTLE #39-4091 GREER, SC (GREER)

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	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?	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) YES

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

Notes/Comments :

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Project: 12-26 CHIPOTLE #39-4091 GREER, SC (GREER)

System/Unit: AHU/RTU



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Asset: RTU-1

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	
Model Num	48FCD_M09	48FCD_M09
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	2900	
OA CFM	500	
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	0.8"	
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:12-26 CHIPOTLE #39-4091 GREER, SC (GREER)

AHU/RTU



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Diffuser Supply (GRD)

RTU-1/KITCHEN

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	OFFICE	CD1	8"	150					-
SGRD2	BOH	CD1	12"	325					-
SGRD3	BOH	CD1	12"	325					-
SGRD4	FOOD PREP	CD1	12"	400					-
SGRD5	FOOD PREP	CD1	12"	400					-
SGRD6	SERVICE LINE	CD2	8"	250					-
SGRD7	SERVICE LINE	CD2	8"	250					-
SGRD8	SERVICE LINE	CD2	8"	250					-
SGRD9	SERVICE LINE	CD2	8"	250					-
SGRD10	HOOD1	ACPSP	183"X6"	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	48FCD_M09	48FCD_M09
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	2400	
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	0.8"	
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:12-26 CHIPOTLE #39-4091 GREER, SC (GREER)

AHU/RTU



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Diffuser Supply (GRD)

RTU-2/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	SR2	18"X6"	400					-
SGRD2	DINING	SR2	18"X6"	400					-
SGRD3	DINING	SR1	14"	700					-
SGRD4	DINING	SR1	14"	600					-
SGRD5	DINING	SR1	14"	500					-
SGRD6	DINING	SR1	14"	400					-
SGRD7	DINING	SR1	14"	400					-

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Project: 12-26 CHIPOTLE #39-4091 GREER, SC (GREER)

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	DU240HFA	DU240HFA
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

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

Test Data		
	Design	Actual
CFM	3200	
Fan RPM	785	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	1.200"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Project: 12-26 CHIPOTLE #39-4091 GREER, SC (GREER)

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	0.250	
Motor Rpm	-	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	150	
Fan RPM	1304	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.600"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Project:12-26 CHIPOTLE #39-4091 GREER, SC (GREER)

FAN - Exhaust



Comfort. Under control.

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"	75					-
EGRD2	RR	ER1	6"X6"	75					-

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Project: 12-26 CHIPOTLE #39-4091 GREER, SC (GREER)

System/Unit: FAN - Supply



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Asset: MUA-1

AREA:HD-1 - COOKLINE

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	A1-D.250-15D	A1-D.250-15D
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	2048	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Discharge SP	-	

General		
	Design	Actual
Fan Rotation Correct	-	

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Project: 12-26 CHIPOTLE #39-4091 GREER, SC (GREER)

System/Unit: Kitchen Hood Type I



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Asset: HD-1

AREA:COOKLINE

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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Notes: