Comfort. Under control.

08-08 CULVERS - LADSON, SC

CheckList Information

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

CheckList Item Details

Processor Name:	BRI
We have the latest set of drawings and are not working off the Bid Set:	YES
Scheduled AHU/RTU airflow is equivalent to 350 CFM/ton to 400 CFM/ton	RTU1 =292.5 RTU2 =307.5
Air device totals equal the scheduled airflow of equipment	YES
All air devices have an airflow specified	YES
Less than 25% ratio of OA to SA for all RTU's/AHU's	RTU1 =29.9% RTU2=27.6%
Net space airflow is between 0 to 500 CFM positive	NET AIRFLOW =0
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 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 is not required to witness hood readings? (Palm Beach County, FL)	YES

Notes/Comments :

National TAB

Project: 08-08 CULVERS - LADSON, SC

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	
Model Num	LGH-240-H4B	LGH-240-H4B
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	208/230	
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	5850	
SF RPM	-	
RA CFM	4100	
OA CFM	1750	
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	-	
Fan Total SP	-	

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

Completed By: Brianna Biggs

Notes:

National TAB

Project:08-08 CULVERS - LADSON, SC

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU1/DINING

Asset							
SGRD1	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	ENTRY	SD3	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD2	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	MENS RR	SD4	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD3	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	WOMENS RR	SD4	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD4	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	HALL	SD1	12"	450			
	FINAL CFM	**% to design**					
		-					
SGRD5	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD6	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD7	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD8	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD9	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD10	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD11	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					

		-					
SGRD12	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD13	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD14	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD15	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD16	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD17	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DINING	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD18	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DRINKS & CONDIMENTS	SD1	10"	300			
	FINAL CFM	**% to design**					
		-					
SGRD19	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	ENTRY	SD1	8"	150			
	FINAL CFM	**% to design**					
		-					
SGRD20	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CUSTOMER ORDERING	SD1	12"	450			
	FINAL CFM	**% to design**					
		-					
SGRD21	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CUSTOMER SERVICE	SD1	10"	350			
	FINAL CFM	**% to design**					
		-					
SGRD22	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CUSTOMER SERVICE	SD1	10"	350			
	FINAL CFM	**% to design**					
		-					
SGRD23	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CUSTOMER SERVICE	SD1	10"	350			
	FINAL CFM	**% to design**					
		-					
SGRD24	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CUSTOMER SERVICE	SD1	10"	350			
	FINAL CFM	**% to design**					
		-					
SGRD25	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**

	DRIVE THRU	SD1	12"	500			
	FINAL CFM	**% to design**					
		-					
	Location	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
SGRD26	OFFICE	SD1	10"	200			
	FINAL CFM	**% to design**					
		-					

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Asset	Notes

National TAB

Project: 08-08 CULVERS - LADSON, SC

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU2 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	
Model Num	LGH-240-H4B	LGH-240-H4B
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	208/230	
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	6150	
SF RPM	-	
RA CFM	4450	
OA CFM	1700	
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	-	
Fan Total SP	-	

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

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Notes:

National TAB

Project:08-08 CULVERS - LADSON, SC

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU2/KITCHEN

Asset							
SGRD1	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	SUNDAE SERVICE	SD1	12"	600			
	FINAL CFM	**% to design**					
		-					
SGRD2	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	SUNDAE SERVICE	SD1	12"	600			
	FINAL CFM	**% to design**					
		-					
SGRD3	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	FRYERS	SD5	10"	200			
	FINAL CFM	**% to design**					
		-					
SGRD4	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	FRYERS	SD5	12"	375			
	FINAL CFM	**% to design**					
		-					
SGRD5	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	FOOD PREP	SD5	12"	400			
	FINAL CFM	**% to design**					
		-					
SGRD6	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	FOOD PREP	SD5	12"	400			
	FINAL CFM	**% to design**					
		-					
SGRD7	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	GRIDDLE	SD5	10"	250			
	FINAL CFM	**% to design**					
		-					
SGRD8	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	GRIDDLE	SD5	10"	275			
	FINAL CFM	**% to design**					
		-					
SGRD9	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	EMPLOYEE RR	SD1	6"	75			
	FINAL CFM	**% to design**					
		-					
SGRD10	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	ALCOVE	SD5	8"	125			
	FINAL CFM	**% to design**					
		-					
SGRD11	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	FOOD PREP	SD5	12"	350			
	FINAL CFM	**% to design**					

		-					
SGRD12	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DISHWASHING	SD5	12"	350			
	FINAL CFM	**% to design**					
		-					
SGRD13	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DISHWASHING	SD5	12"	350			
	FINAL CFM	**% to design**					
		-					
SGRD14	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	UTILITY	SD1	12"	600			
	FINAL CFM	**% to design**					
		-					
SGRD15	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DRY GOODS	SD1	12"	600			
	FINAL CFM	**% to design**					
		-					
SGRD16	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DRY GOODS	SD1	12"	600			
	FINAL CFM	**% to design**					
		-					

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Asset	Notes

National TAB

Project: 08-08 CULVERS - LADSON, SC

System/Unit: Kitchen Hood Type I

Comfort. Under control.

Asset: HD1 AREA:GRIDDLE

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XGEP-64-S	XGEP-64-S
Job / Serial Num	-	
Type	TYPE I LOW PROXIMITY	
Hood length	64"	
Hood Width	23"	

Test Data Exhaust		
	Design	**Actual**
Filter Type	GREASE GRABBER	
Filter Size 1	16X16	
Filter Qty 1	4	
Filter AK factor size 1	1.53	
Filter Total AK Area	6.12	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter Ave FPM(corr)	-	
CFM	-	

Cooking Equipment		
	Design	**Actual**
Item 1	-	
Item 2	-	

Performance Data		
	Design	**Actual**
Smoke Generation Type	-	
Hood Capture %	-	
End Panels Installed (Y/N)	-	

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

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Notes:

Asset	Notes

National TAB

Project: 08-08 CULVERS - LADSON, SC

System/Unit: Kitchen Hood Type I

Comfort. Under control.

Asset: HD2 AREA:FRYERS

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XXEP-83-S	XXEP-83-S
Job / Serial Num	-	
Type	TYPE I LOW PROXIMITY	
Hood length	83"	
Hood Width	23"	

Test Data Exhaust		
	Design	**Actual**
Filter Type	X-TRACTOR	
Filter Size 1	16X16	
Filter Qty 1	5	
Filter AK factor size 1	1.53	
Filter Total AK Area	7.65	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter Ave FPM(corr)	-	
CFM	-	

Cooking Equipment		
	Design	**Actual**
Item 1	-	
Item 2	-	

Performance Data		
	Design	**Actual**
Smoke Generation Type	-	
Hood Capture %	-	
End Panels Installed (Y/N)	-	

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

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Notes:

Asset	Notes

National TAB

Project: 08-08 CULVERS - LADSON, SC

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-A1 AREA:MOP ROOM

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCR-B80	XCR-B80
Serial Num	-	
Type	CEILING	
Configuration	VERTICAL	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	900	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	75	
Fan RPM	885	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.125"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Notes:

Asset	Notes

National TAB

Project: 08-08 CULVERS - LADSON, SC

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: PRV-1 AREA:RESTROOM

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XRED-095-D	XRED-095-D
Serial Num	-	
Type	DOWNBLAST	
Configuration	HORIZTONAL	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	0.0667	
Motor Rpm	1550	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	375	
Fan RPM	1479	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.5"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Notes:

National TAB

Project:08-08 CULVERS - LADSON, SC

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

PRV-1/RESTROOM

Asset							
EGRD1	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	MENS RR	EG1	8X8	150			
	FINAL CFM	**% to design**					
		-					
EGRD2	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	WOMENS RR	EG1	8X8	150			
	FINAL CFM	**% to design**					
		-					
EGRD3	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	EMPLOYEE RR	EG1	8X8	75			
	FINAL CFM	**% to design**					
		-					

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Asset	Notes

National TAB

Project: 08-08 CULVERS - LADSON, SC

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: PRV-2 AREA:HD1 GRIDDLE

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XRUB-160XP-15	XRUB-160XP-15
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	1.5	
Motor Rpm	1725	
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	-	

Test Data		
	Design	**Actual**
CFM	1500	
Fan RPM	2411	
Fan Rotation	-	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	2.337"	

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Notes:

Asset	Notes

National TAB

Project: 08-08 CULVERS - LADSON, SC

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: PRV-3 AREA:HD2 FRYERS

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XRUB-140-7	XRUB-140-7
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	0.75	
Motor Rpm	1725	
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	-	

Test Data		
	Design	**Actual**
CFM	1500	
Fan RPM	1377	
Fan Rotation	-	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	1.0"	

Completed By: Brianna Biggs

Notes:

Asset	Notes