Comfort. Under control.

05-16 CULVERS - LOWELL, MI

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	NA NO MODEL # PROVIDED
Air device totals equal the scheduled airflow of equipment	RTU1 DIFFUSER DESIGN TOTAL 6225. UNIT SCHEDULE 6150. RTU2 DIFFUSER DESIGN TOTAL 6075. UNIT SCHEDULE 6150CFM.
All air devices have an airflow specified	Yes
Less than 25% ratio of OA to SA for all RTU's/AHU's	Yes
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)	
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

National TAB

Project: 05-16 CULVERS - LOWELL, MI

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	
Model Num	NA	NA
Type	-	
Configuration	-	
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	6150	
SF RPM	-	
RA CFM	4250	
OA CFM	1900	
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:

Comfort. Under control.

Diffuser Supply (GRD)

RTU1/DINING

Asset							
SGRD1	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD13	8"	150				
	FINAL CFM	**% to design**					
SGRD2	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD15	8"	150				
	FINAL CFM	**% to design**					
SGRD3	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD15	8"	150				
	FINAL CFM	**% to design**					
SGRD4	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD16	12"	450				
	FINAL CFM	**% to design**					
SGRD5	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD10	8"	150				
	FINAL CFM	**% to design**					
SGRD6	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD10	8"	150				
	FINAL CFM	**% to design**					
SGRD7	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD10	8"	150				
	FINAL CFM	**% to design**					
SGRD8	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD10	8"	150				
	FINAL CFM	**% to design**					
SGRD9	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD10	8"	150				
	FINAL CFM	**% to design**					
SGRD10	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD10	8"	150				
	FINAL CFM	**% to design**					
SGRD11	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD10	8"	150				
	FINAL CFM	**% to design**					
SGRD12	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD10	8"	150				
	FINAL CFM	**% to design**					
SGRD13	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD10	8"	150				
	FINAL CFM	**% to design**					
SGRD14	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD10	8"	150				

	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD15	CD10	8"	150				
	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD16	CD10	8"	150				
	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD17	CD10	8"	150				
	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD18	CD10	8"	150				
	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD19	CD10	8"	150				
	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD20	CD18	10"	300				
	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD21	CD10	8"	150				
	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD22	CD16	12"	450				
	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD23	WD10	10"	350				
	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD24	WD10	10"	350				
	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD25	WD10	10"	350				
	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD26	WD10	10"	350				
	FINAL CFM	% to design					
	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD27	CD11	10"	500				
	FINAL CFM	% to design					
SGRD28	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)

	CD12	8"	200				
	FINAL CFM	**% to design**					

	Location	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	CD14	8"	75				
SGRD29	**FINAL CFM**	**% to design**					

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Asset	Notes

National TAB

Project: 05-16 CULVERS - LOWELL, MI

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU2 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	
Model Num	NA	NA
Type	-	
Configuration	-	
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	6150	
SF RPM	-	
RA CFM	4250	
OA CFM	1900	
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:

Comfort. Under control.

Diffuser Supply (GRD)

RTU2/KITCHEN

Asset							
SGRD1	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	SUNDAE SERVICE	CD20	12"	600			
	FINAL CFM	**% to design**					
		-					
SGRD2	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	SUNDAE SERVICE	CD22	12"	600			
	FINAL CFM	**% to design**					
		-					
SGRD3	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	COOKLINE	CD23	10"	200			
	FINAL CFM	**% to design**					
		-					
SGRD4	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	COOKLINE	CD24	12"	375			
	FINAL CFM	**% to design**					
		-					
SGRD5	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	FOOD PREP	CD25	12"	400			
	FINAL CFM	**% to design**					
		-					
SGRD6	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	FOOD PREP	CD25	12"	400			
	FINAL CFM	**% to design**					
		-					
SGRD7	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	COOKLINE	CD26	10"	250			
	FINAL CFM	**% to design**					
		-					
SGRD8	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	COOKLINE	CD27	10"	275			
	FINAL CFM	**% to design**					
		-					
SGRD9	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	HALLWAY	CD28	8"	125			
	FINAL CFM	**% to design**					
		-					
SGRD10	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DISHWASHING	CD21	12"	350			
	FINAL CFM	**% to design**					
		-					
SGRD11	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DISHWASHING	CD21	12"	350			
	FINAL CFM	**% to design**					
		-					
SGRD12	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	FOOD PREP	CD21	12"	350			
	FINAL CFM	**% to design**					
		-					
SGRD13	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	UTILITY ROOM	CD29	12"	600			
	FINAL CFM	**% to design**					
		-					
SGRD14	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	DRY GOODS	WD20	12"	600			

	FINAL CFM	% to design
		-

	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
SGRD15	DRY GOODS	WD20	12"	600			
	FINAL CFM	**% to design**					
		-					

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Asset	Notes

National TAB

Project: 05-16 CULVERS - LOWELL, MI

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF1 AREA:HD3 DISH

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

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	350	
Fan RPM	1455	
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:

Asset	Notes

National TAB

Project: 05-16 CULVERS - LOWELL, MI

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-A1 AREA:

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: 05-16 CULVERS - LOWELL, MI

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: PRV1 AREA:RESTROOM

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

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:05-16 CULVERS - LOWELL, MI

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

PRV1/RESTROOM

Asset							
EGRD1	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	EG2	8"	150				
	FINAL CFM	**% to design**					
EGRD2	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	EG2	8"	150				
	FINAL CFM	**% to design**					
EGRD3	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**
	EG1	8"	75				
	FINAL CFM	**% to design**					

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Asset	Notes

National TAB

Project: 05-16 CULVERS - LOWELL, MI

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: PRV2 AREA:HD1 GRILL

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	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"	

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Notes:

Asset	Notes

National TAB

Project: 05-16 CULVERS - LOWELL, MI

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: PRV3 AREA:HD2 FRY

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"	

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Notes:

Asset	Notes

National TAB

Project: 05-16 CULVERS - LOWELL, MI

System/Unit: Kitchen Hood Type I

Comfort. Under control.

Asset: HD1 AREA:GRILL

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XGEP-64-S	XGEP-64-S
Job / Serial Num	-	
Type	-	
Hood length	-	
Hood Width	-	

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	
Filter Size 1	-	
Filter Size 2	-	
Filter Qty 1	-	
Filter Qty 2	-	
Filter AK factor size 1	-	
Filters AK factor size 2	-	
Filter Total AK Area	-	
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	-	

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	-	

Completed By: Brianna Biggs

Notes:

Asset	Notes

National TAB

Project: 05-16 CULVERS - LOWELL, MI

System/Unit: Kitchen Hood Type I

Comfort. Under control.

Asset: HD2 AREA:FRYER

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XXEP-83-S	XXEP-83-S
Job / Serial Num	-	
Type	-	
Hood length	-	
Hood Width	-	

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	
Filter Size 1	-	
Filter Size 2	-	
Filter Qty 1	-	
Filter Qty 2	-	
Filter AK factor size 1	-	
Filters AK factor size 2	-	
Filter Total AK Area	-	
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	-	

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	-	

Completed By: Brianna Biggs

Notes:

Asset	Notes

National TAB

Project: 05-16 CULVERS - LOWELL, MI

System/Unit: Kitchen Hood Type II

Comfort. Under control.

Asset: HD3 AREA:DISH

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XD3-42-S	XD3-42-S
Serial Num	-	
Type	TYPE II CCANOPY	
Hood length	42"	
Hood Width	42"	

Test Data		
	Design	**Actual**
Exhaust CFM	350	

Completed By: Brianna Biggs

Notes:

Asset	Notes