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P - 800 / 291 / 7138

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Pre-Evaluation Report Prior to ReDesign Phase

**PROJECT
ADDRESS**

DILLONS 615-065

3211 S SENECA ST

WICHITA, KS 67217

**ARCHITECT /
ENGINEER**

PICKERING FIRM INC.

6775 LENOX CENTER COURT

MEMPHIS, TN 38115

**NEBB TAB
FIRM**

NATIONAL TAB, LLC

1329 E KEMPER RD, SUITE 4210

CINCINNATI, OH 45246

This test completed on 8/27/2015

This report completed on 9/4/2015





PROJECT: Dillons 615-065 Wichita, KS
SYSTEM: Testing Procedure

The General focus of the testing is to provide total amount of outside air being introduced into the building, total exhaust existing the building, condition of equipment, issues or complaints, and any noticeable changes to the HVAC systems in respect to older prints if available.

The Balancing Technician must follow the following guidelines when performing the (No Suggestions):

1) Fill out the Defining Overall Scope/Issues page by asking store manager, employees, and project manager questions of any issues. Also walk around store to see if you see any glaring big issues and document. Make sure you also fill out COMPLETELY the Building Evaluation form and it is imperative to get a store building pressure if Possible. If not, see if you can tell if store is negative or positive nature by feel. You will need to close back doors & dock doors. Take pictures of anything that might be issues.

2) Do a Detailed evaluation on the large RTU or AHU units that feed the retail space. Typically there are one or two units that serve the retail area on older stores. Make sure to take a picture of the unit configuration (AHU's do unit & make duct connection - picture) and insert in report. If picture is not available, provide a quick sketch on Equipment EVAL sheet. Then continue to provide the data listed on the AHU-RTU sheet on the MAIN SALES FLOOR AREA. It is IMPERATIVE we measure outside air amount. Make sure the unit is in full load condition by turning on at CPC or Danfoss panel (IF Danfoss, can put unit into max speed by changing a couple of dip switches on unit temporarily). If you can traverse the main supply duct to get total Supply air or quickly measure diffusers to get total airflow, please do so. Keep in mind that if there are a lot of diffusers to measure, hold off doing this until doing all other items on list since we only have a max of 2 days to perform evaluation.

Note: If retail space is served by many RTU's, then do not use form state above in item #2, but same form as other RTU's as state in item #4 below.

3) Look at ductwork and if possible (not too high) check above ceiling to see if there are any issues of ductwork or major changes to ductwork layout if you have old prints to review from. NOTE and take PICTURES of any of these issues.

4) For all other RTU's and AHU's get minimal data and check condition of each unit using the AHU-RTU eval test form for adjacent to retail space. MAKE SURE to measure Outside air! If no outside air intake, please note and state if one could or could not be installed. Again take PICTURES.

5) Look at ductwork and if possible to see if there are any issues of ductwork or major changes to ductwork layout if you have old prints to review from. NOTE and take PICTURES of any of these issues.

6) Identify all exhaust fans, condition of fan, what they serve, and TOTAL exhaust flow rate for EACH fan using the Exhaust Pre-Inspection Functional Test Form. TAKE Picture of each fan and insert on form next to information provided. IF fan does not work or has been abandon, please note this within the report (If known why, please state). NOTE: Do not work on any exhaust fans that are in the compressor room, transfer fans, or prop fans. Also IT may be difficult to measure a few exhaust fans (i.e... electrical room). If you cannot measure airflow, please state why within report.

7) Identify dedicated make up air fan, condition of fan, what they serve, and TOTAL supply airflow rate for EACH fan using the MUA Pre-Inspection Functional Test Form. TAKE Picture of each fan and insert on form next to information provided. IF fan does not work or has been abandon, please note this within the report (If known why, please state). Typically Kroger uses dedicated make up air units for hoods or to provide additional outside air to a unit or space. Note if heating or cooling or both or nontempered.



PROJECT: Dillons 615-065 Wichita, KS
SYSTEM: Summary & Additional Comments

- FRONT VESTIBULES ARE VERY WARM
- DELI - CHICKEN HOODS NEED HIGHER EXHAUST TO CAPTURE, AND OVENS NEED TO BE MOVED BACK SO DOORS ARE UNDER THE HOOD WITH A MINIMUM OF 12" (PREFERABLE) TO THE FRONT OF THE CANOPY (60" DEEP HOOD)
- DISHMACHINE IS CONVENTION VENTED, NEEDS EXHAUST FAN TO TURN ON WHEN DOORS OPEN.
- CHILLER PUMP FOR CHW1 COIL IS NOT COUPLED TO THE MOTOR - NO WATER FLOW - CIRCUIT MUST REMAIN OFF UNTIL THIS IS RESOLVED
- HIGHEST PRESSURE DROP ON AHU-1 IS BETWEEN CHW1 AND CHW2 - VERIFY NO INLET PLUGGING OF CHW2 COIL. NO OTHER VISIBLE SIGNS WERE EVIDENT
- UNIT WAS TESTED AT 48HZ, INDICATION IS THIS WAS SET TO HIGH SPEED AND IT'S LIMIT IS SET TO 50HZ
- EXHAUSTO FAN SERVING PIZZA OVEN HOOD SHOULD HAVE ALL POWER REMOVED. IT'S CURRENTLY ROTATING SLOWLY, BUT THE OVEN HAS NOT BEEN IN USE FOR 4-5 YEARS ACCORDING TO THE STAFF.

PROJECT: Dillons 615-065 Wichita, KS
SYSTEM: Pictures & Misc Information



DISH MACHINE

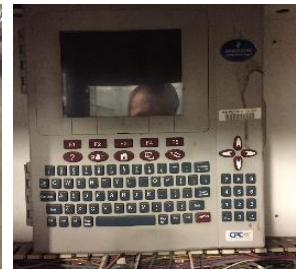
NO ROOF TOP EXHAUST FAN - GOOSE NECK.



PIZZA OVEN - WITH EXHAUSTO FAN
 HAS NOT BEEN IN OPERATION
 4-5 YEARS. EXHAUSTO IS ROTATING SLOWLY,
 NO MEASUREABLE CFM



ICE MACHINE IN VESTIBULE



PROJECT:
STORE #:
LOCATION:

P # 800-291-7138
joe@nationaltab.com
Fax 513-860-0465

Equipment Evaluation UNIT:

RTU/ AHU Unit (Specific to Retail spaces ONLY)

1) Unit condition: (ex: physical damage, dirty coils, filters, belts, pulleys and wiring) **yes / no**

Describe Issues:

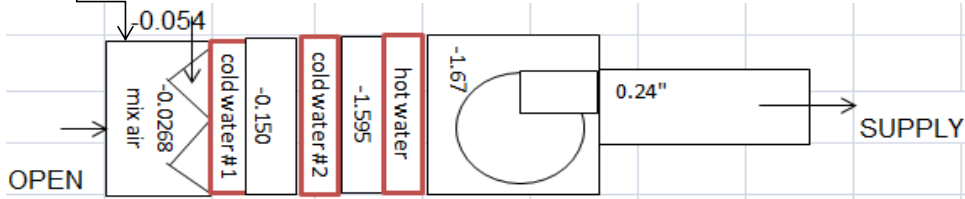


left) chw coil#1 pump is not coupled to the motor, no water flow causing freezing - shut off HW #1; (right) hot water coil inlet

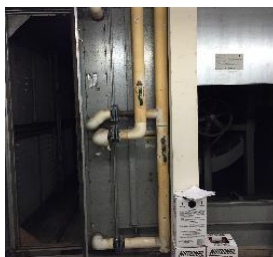
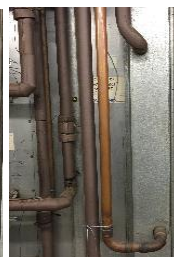


2) Draw an elevation diagram of unit arrangement below showing main system components on diagram, main duct size coming off unit, where outside air is supplied and size.

outside air from 30x30 hood/shut = 0 cfm



- * highest pressure drop is between chw coil 1 and chw coil 2/ suggest inspection and cleaning of chw2-inlet
- * unit first traverse was taken with chw coil 1 having ice formed on it test was retaken, according to operations at maximum speed of 48hz once the coil thawed. The final airflow, pressures, and CFM are taken after



AHU-RTU EVALUATION TEST FORM FOR MAIN SALES FLOOR AREA ONLY

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM/UNIT: AHU-1 (BASEMENT - SERVES MAIN SALES FL)



UNIT DATA:	
UNIT MANF.	CARRIER
MODEL #	28CX1636CA1144N
SERIAL #	1185 (D28981)
DISCHARGE	HORIZONTAL - DRAW THRU
SHEAVE DIAM / BORE	21 1/2" 2 15/16"
# BELTS / SIZE	3 5VX1400
# FILTERS / SIZE	16 78"X24.5"X2"
UNIT TAG (BarCode on Unit Housing if found)	KR#4011557

MOTOR DATA:	
MOTOR MANF.	CENTURY MOTOR
FRAME	324T
HP / RPM	40 1770
VOLTAGE / PHASE	200 3
F.L. AMPS / S.F.	111.6 1.15
SHEAVE DIAM / BORE	8 1/2" 2"
CL	46 1/2"

	TEST DATA
TOTAL SUPPLY AIR	17065
TOTAL OUTSIDE AIR	0 - CLOSED
FAN RPM	NT
R.L. VOLTAGE	
R.L. AMPERAGE	
TYPE OF OA DAMPER	GOOSE NECK - DAMPER CLOSED
OPEN AREA-DUCT OF OUTSIDE AIR	30X30
DUCT SIZE OF MAIN SUPPLY DUCT	50"X64" AT TRAVERSE
DUCT SIZE OF MAIN RETURN DUCT	OPEN ROOM RETURN
DX FILTER CONDITION	GOOD [1]

TEST DATA	TEST DATA
E.S.P. SUCTION	-0.0268
E.S.P. DISCHARGE	0.24"
TOTAL E.S.P.	0.267
UNIT TOTAL S.P. (TSP)	1.91
DX COIL SP	0.0941"/1.422" / 0.05"
REHEAT COIL SP	0.05" HOT WATER
OUTDOOR TEMP	OAT: 85.2 RETURN: 69.9 DEG F
DX COIL TEMP DURING COOLING MODE	50.6 DEG F
STORE TEMP	71.5 DEG F

REMARKS:
CARRIER JOB NO. 5301587234; [1] SOME FINS ON HOT WATER COIL NEED REPAIRING (PHOTO).



SQUARE DUCT TRAVERSE FORM

PROJECT DILLONS 615-065 WICHITA, KS	SYSTEM _____
LOCATION _____	SERVICE _____
ALTITUDE - _____	DENSITY - _____
	FACTOR _____

DUCT	REQUIRED	ACTUAL
S.P.(act) 0.192" TEMP - _____	SCFM - _____	SCFM - _____
SIZE 48.5X62.5 (ID)	FPM - _____	FPM 794
AREA (ft) 21	CFM - _____	CFM 16666

SOME ICE ON COIL 1

DISTANCE FROM BOTTOM	POSITION	1	2	3	4	5	6	7	8	9	10	11	12
	1	479	460	651	609	721							
	2	365	390	797	602	709							
	3	485	422	777	712	657							
	4	365	701	815	895	601							
	5	508	967	976	848	751							
	6	424	1122	1055	1048	817							
	7	705	956	1239	1069	1000							
	8	784	1315	1442	1289	1217							
	9												
	10												
	11												
	12												
	13												
	14												
DISTANCE FROM DUCT EDGE													
VELOCITY SUB - TOTALS													

REMARKS:



SQUARE DUCT TRAVERSE FORM

PROJECT DILLONS 615-065 WICHITA, KS	SYSTEM
LOCATION	SERVICE
ALTITUDE - DENSITY -	FACTOR

DUCT	REQUIRED	ACTUAL
S.P.(act) 0.192" TEMP -	SCFM -	SCFM -
SIZE 48.5X62.5 (ID)	FPM -	FPM 813
AREA (ft) 21	CFM -	CFM 17065
FAN SPEED 48 HZ COIL 1 THAWED OUT		

DISTANCE FROM BOTTOM	POSITION	1	2	3	4	5	6	7	8	9	10	11	12
	1	311	234	292	777	874							
	2	296	221	355	800	911							
	3	381	257	511	808	1067							
	4	393	522	599	1165	1167							
	5	336	640	1155	1102	1184							
	6	340	1055	1327	1101	1149							
	7	607	1135	1445	1069	1037							
	8	784	1306	1481	1146	1165							
	9												
	10												
	11												
	12												
	13												
	14												
DISTANCE FROM DUCT EDGE													
VELOCITY SUB - TOTALS													

REMARKS:



AHU-RTU EVALUATION TEST FORM FOR ADJACENT TO RETAIL SPACE

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM/UNIT: RTU-1



UNIT & MOTOR DATA:	
UNIT MANF.	AAON
MODEL #	RM-010-8-0
SERIAL #	200801-AMGJ37519
DISCHARGE	VERTICAL
MOTOR HP	3
MOTOR RATED VOLTS	200-230/460
MOTOR RATED AMPS	8.9-9 / 4
UNIT TAG (BarCode on Unit Housing if found)	KR#: 4011529

UNIT CONDITION:	
PHYSICAL DAMAGE	NONE
PULLEY/BELT WEAR	NONE
WIRING	GOOD
FILTERS	2 - 47"X19.5"
OUTSIDE AIR DAMPER TYPE	MANUAL SLIDE DAMPER
SIZE OF OUTSIDE AIR DAMPER	29.5"X13.75"
DX FILTER CONDITION	GOOD

TEST DATA	
TOTAL OUTSIDE AIR	0 CFM
R.L. VOLTAGE	205-206-207
R.L. AMPERAGE	6.5-6.6-6.6
	



REMARKS:



AHU-RTU EVALUATION TEST FORM FOR ADJACENT TO RETAIL SPACE

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM/UNIT: RTU-2



UNIT & MOTOR DATA:	
UNIT MANF.	CARRIER
MODEL #	48TCEAO7A2A5A
SERIAL #	1211G40169
DISCHARGE	VERTICAL
MOTOR HP	NL
MOTOR RATED VOLTS	208-230/460
MOTOR RATED AMPS	7.5/3.4
UNIT TAG (BarCode on Unit Housing if found)	KR#: 4012362

UNIT CONDITION:	
PHYSICAL DAMAGE	NONE
PULLEY/BELT WEAR	NONE
WIRING	GOOD
FILTERS	4 - 15.5"X15.5"
OUTSIDE AIR DAMPER TYPE	ECONOMIZER
SIZE OF OUTSIDE AIR DAMPER	29.5"X15"
DX FILTER CONDITION	GOOD

TEST DATA	
TOTAL OUTSIDE AIR	0 CFM
R.L. VOLTAGE	206-206-207
R.L. AMPERAGE	5.0-5.0-4.7
	

DESCRIBE ANY OTHER DEFFICIENT CONDITIONS BELOW & ATTACH PICTURES



REMARKS:



AHU-RTU EVALUATION TEST FORM FOR ADJACENT TO RETAIL SPACE

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM/UNIT: RTU-3



UNIT & MOTOR DATA:	
UNIT MANF.	AAON
MODEL #	RM-A04-8-0-BA
SERIAL #	200801-AMGD37526
DISCHARGE	VERTICAL
MOTOR HP	1
MOTOR RATED VOLTS	200
MOTOR RATED AMPS	3.2
UNIT TAG (BarCode on Unit Housing if found)	KR#4011531

UNIT CONDITION:	
PHYSICAL DAMAGE	NONE
PULLEY/BELT WEAR	BELTS IS LOOSE
WIRING	GOOD
FILTERS	2 - 39"X15.5"
OUTSIDE AIR DAMPER TYPE	ECONOMIZER
SIZE OF OUTSIDE AIR DAMPER	35"X12"
DX FILTER CONDITION	GOOD
DX COIL	MINOR CLEANING NEEDED

TEST DATA	
TOTAL OUTSIDE AIR	0 CFM
R.L. VOLTAGE	206-206-207
R.L. AMPERAGE	1.8-2.2-2.3
	

DESCRIBE ANY OTHER DEFFICIENT CONDITIONS BELOW & ATTACH PICTURES



REMARKS:
OA SCREEN NEEDS TO BE FASTENED TO UNIT BETTER.





AHU-RTU EVALUATION TEST FORM FOR ADJACENT TO RETAIL SPACE

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM/UNIT: RTU-4



UNIT & MOTOR DATA:	
UNIT MANF.	AAON
MODEL #	RM-015-8-0-BA02
SERIAL #	200801-AMGL37517
DISCHARGE	VERTICAL
MOTOR HP	5
MOTOR RATED VOLTS	200
MOTOR RATED AMPS	15
UNIT TAG (BarCode on Unit Housing if found)	KR#4011550

UNIT CONDITION:	
PHYSICAL DAMAGE	NONE
PULLEY/BELT WEAR	NONE
WIRING	GOOD
FILTERS	2 - 47"X19.5"
OUTSIDE AIR DAMPER TYPE	SLIDE MANUAL DAMPER
SIZE OF OUTSIDE AIR DAMPER	29.5"X13.5"
DX FILTER CONDITION	GOOD

TEST DATA	
TOTAL OUTSIDE AIR	0 CFM
R.L. VOLTAGE	202-202-202
R.L. AMPERAGE	11.5-12-11.7
	



REMARKS:



AHU-RTU EVALUATION TEST FORM FOR ADJACENT TO RETAIL SPACE

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM/UNIT: RTU-5



UNIT & MOTOR DATA:	
UNIT MANF.	AAON
MODEL #	RM-015-8-0-BA02
SERIAL #	200801-AMGL37518
DISCHARGE	VERTICAL
MOTOR HP	5
MOTOR RATED VOLTS	200
MOTOR RATED AMPS	15
UNIT TAG (BarCode on Unit Housing if found)	KR#: 4011551

UNIT CONDITION:	
PHYSICAL DAMAGE	NONE
PULLEY/BELT WEAR	NONE
WIRING	GOOD
FILTERS	2 - 47"X19.5"
OUTSIDE AIR DAMPER TYPE	SLIDE MANUAL DAMPER
SIZE OF OUTSIDE AIR DAMPER	29.5"X13.5"
DX FILTER CONDITION	GOOD

TEST DATA	
TOTAL OUTSIDE AIR	0 CFM
R.L. VOLTAGE	204-204-204
R.L. AMPERAGE	11.6-13.7-13
	



REMARKS:



AHU-RTU EVALUATION TEST FORM FOR ADJACENT TO RETAIL SPACE

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM/UNIT: RTU-6



UNIT & MOTOR DATA:	
UNIT MANF.	AAON
MODEL #	RM-006-8-0-BA01
SERIAL #	200801-AMGF37523
DISCHARGE	VERTICAL
MOTOR HP	1
MOTOR RATED VOLTS	200
MOTOR RATED AMPS	3.2
UNIT TAG (BarCode on Unit Housing if found)	KR#: 4011532

UNIT CONDITION:	
PHYSICAL DAMAGE	NONE
PULLEY/BELT WEAR	NONE
WIRING	GOOD
FILTERS	2 - 39"X15.5"
OUTSIDE AIR DAMPER TYPE	ECONOMIZER
SIZE OF OUTSIDE AIR DAMPER	35"X12"
DX FILTER CONDITION	GOOD

TEST DATA	
TOTAL OUTSIDE AIR	0 CFM
R.L. VOLTAGE	203-203-204
R.L. AMPERAGE	2.8-2.8-2.9
	

DESCRIBE ANY OTHER DEFFICIENT CONDITIONS BELOW & ATTACH PICTURES



REMARKS:



AHU-RTU EVALUATION TEST FORM FOR ADJACENT TO RETAIL SPACE

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM/UNIT: RTU-7



UNIT & MOTOR DATA:	
UNIT MANF.	AAON
MODEL #	RM-015-8-0-BA02
SERIAL #	200801-AMGL37516
DISCHARGE	VERTICAL
MOTOR HP	7 1/2
MOTOR RATED VOLTS	200
MOTOR RATED AMPS	22.4
UNIT TAG (BarCode on Unit Housing if found)	KR#4011543

UNIT CONDITION:	
PHYSICAL DAMAGE	NONE
PULLEY/BELT WEAR	NONE
WIRING	GOOD
FILTERS	2 - 47"X19.5"
OUTSIDE AIR DAMPER TYPE	ECONOMIZER
SIZE OF OUTSIDE AIR DAMPER	39.25"X19.5"
DX FILTER CONDITION	GOOD

TEST DATA	
TOTAL OUTSIDE AIR	393
R.L. VOLTAGE	200-200-200
R.L. AMPERAGE	15.3-14.9-15
	



REMARKS:



AHU-RTU EVALUATION TEST FORM FOR ADJACENT TO RETAIL SPACE

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM/UNIT: RTU-8



UNIT & MOTOR DATA:	
UNIT MANF.	AAON
MODEL #	RM-006-8-0-BA01-232
SERIAL #	200801-AMGF37524
DISCHARGE	VERTICAL
MOTOR HP	1
MOTOR RATED VOLTS	200
MOTOR RATED AMPS	3.2
UNIT TAG (BarCode on Unit Housing if found)	KR#4011547

UNIT CONDITION:	
PHYSICAL DAMAGE	NONE
PULLEY/BELT WEAR	NONE
WIRING	GOOD
FILTERS	2 - 15.5"X39.5"
OUTSIDE AIR DAMPER TYPE	MANUAL SLIDE DAMPER
SIZE OF OUTSIDE AIR DAMPER	29.5"X13.5"
DX FILTER CONDITION	GOOD

TEST DATA	
TOTAL OUTSIDE AIR	0
R.L. VOLTAGE	203-203-203
R.L. AMPERAGE	2.8-2.7-3.1
	

DESCRIBE ANY OTHER DEFFICIENT CONDITIONS BELOW & ATTACH PICTURES



REMARKS:

AHU-RTU EVALUATION TEST FORM FOR ADJACENT TO RETAIL SPACE



PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM/UNIT: FAN COIL - 1 WAREHOUSE (SUSPENDED)

UNIT & MOTOR DATA:	
UNIT MANF.	CARRIER
MODEL #	40GH060300
SERIAL #	S446928
DISCHARGE	208/230
MOTOR HP	3/4
MOTOR RATED VOLTS	208/230
MOTOR RATED AMPS	5.6
UNIT TAG (BarCode on Unit Housing if found)	KR#4011564

UNIT CONDITION:	
PHYSICAL DAMAGE	BLOWER DOOR
PULLEY/BELT WEAR	NO
WIRING	EXPOSED (PIC)
FILTERS	(1) 26.5"X19.5"
OUTSIDE AIR DAMPER TYPE	NONE
SIZE OF OUTSIDE AIR DAMPER	NONE
DX FILTER CONDITION	GOOD

TEST DATA	
TOTAL OUTSIDE AIR	NONE
R.L. VOLTAGE	205
R.L. AMPERAGE	3.7

DESCRIBE ANY OTHER DEFFICIENT CONDITIONS BELOW & ATTACH PICTURES






REMARKS:
DRAIN PAN RATTLES NEEDS TO BE SECURED AND NOT TOUCHING PORTIONS OF FAN COIL, BLOWER SEEMS TO HAVE MINOR VIBRATIONS AS WELL.

EXHAUST PRE-INSPECTION FUNCTIONAL TEST FORM

PROJECT: DILLONS 615-065 WICHITA, KS
TESTING: CONDITION OF EXISTING EXHAUST FANS



FAN SERVES:	RESTROOMS
FAN TAG:	NO KR# / EF - 1
MFG	CAPTIVE-AIRE
MODEL	DU33HFA
HP	1/3
NAMEPLATE VOLT	115
NAMEPLATE AMP	4.1
BELT SIZE & CONDITION	DD - HIGH SPEED
EXHAUST (ACTUAL AIRFLOW MEASURED)	299 CFM (179 MENS RR / 120 WOMENS RR)
ADDITIONAL NOTES (OVERALL DEFFICIENCY OR CONDITION OF FAN-DESCRIBE & INDICATE HOW YOU MEASURED AIRFLOW:	

COMMENTS:

Speed controller function (if applicable)

YES **FUNCTIONAL**

If fan for grease hood- does it have hinge kit & grease cup/

NA

Is the electrical Whip frayed?

NO

Does The whip interfere with hinging?

NA

Any excessive noise?

NO

Fan belt in good condition?

DD-SPD DIAL

OTHER



FAN SERVES:	CHINESE WOK HOOD
FAN TAG:	FADED / EF-2
MFG	FADED
MODEL	FADED
HP	MOTOR CAKED IN DEBRIS - LABEL NOT VISIBLE
NAMEPLATE VOLT	MOTOR CAKED IN DEBRIS - LABEL NOT VISIBLE
NAMEPLATE AMP	MOTOR CAKED IN DEBRIS - LABEL NOT VISIBLE
BELT SIZE & CONDITION	1- AX23 (GOOD WITH SPARE)
EXHAUST (ACTUAL AIRFLOW MEASURED)	2507 CFM
ADDITIONAL NOTES (OVERALL DEFFICIENCY OR CONDITION OF FAN-DESCRIBE & INDICATE HOW YOU MEASURED AIRFLOW:	

COMMENTS:

Speed controller function (if applicable)

VARIABLE SHEAVE **MINIMIZED - MOTOR HOUSING NEEDS COMPLETE CLEANING**

If fan for grease hood- does it have hinge kit & grease cup/

YES

Is the electrical Whip frayed?

NO

Does The whip interfere with hinging?

NO

Any excessive noise?

NO

Fan belt in good condition?

YES

OTHER

NEEDS THOROUGH CLEANING **NEEDS TO BE RE-INVENTORIED / NO VISIBLE TAGS OR MFG DATA**



EXHAUST PRE-INSPECTION FUNCTIONAL TEST FORM

PROJECT: DILLONS 615-065 WICHITA, KS
TESTING: CONDITION OF EXISTING EXHAUST FANS



FAN SERVES:	DELI - CHICKEN DEEP FAT FRYER HOOD LEFT
FAN TAG:	NO KR TAG (CAS JOB #686529) / EF-3
MFG	CAPTIVE-AIRE
MODEL	NCA14FA
HP	1/2
NAMEPLATE VOLT	115/208-230
NAMEPLATE AMP	7.7/4.3-3.9
BELT SIZE & CONDITION	1 - AX23 / GOOD
EXHAUST (ACTUAL AIRFLOW MEASURED)	1136 CFM
EXCESSIVE WHIP - NOT SEALED AT FAN BASE WILL ALLOW SNOW PACK AND RAIN WATER TO ENTER TO BUILDING	



COMMENTS:

Speed controller function (if applicable)

VARIABLE SHEAVE **3 TURNS OUT**

If fan for grease hood- does it have hinge kit & grease cup/

YES

Is the electrical Whip frayed?

NO

Does The whip interfere with hinging?

NO **GREASE CUP DOES INTERFERE WITH HINGING**

Any excessive noise?

NO

Fan belt in good condition?

YES

OTHER

CLEANING **MOTOR HOUSING NEEDS CLEANING**



FAN SERVES:	DELI - CHICKEN OVEN HOOD RIGHT
FAN TAG:	NO KR TAG (CAS JOB #686529) / EF-4
MFG	CAPTIVE-AIRE
MODEL	NCA14FA
HP	1/2
NAMEPLATE VOLT	115/208-230
NAMEPLATE AMP	7.7/4.3-3.9
BELT SIZE & CONDITION	1 - AX23 / GOOD
EXHAUST (ACTUAL AIRFLOW MEASURED)	1292 CFM
<u>ADDITIONAL NOTES (OVERALL DEFFICIENCY OR CONDITION OF FAN-DESCRIBE & INDICATE HOW YOU MEASURED AIRFLOW:</u>	

COMMENTS:

Speed controller function (if applicable)

VARIABLE PULLEY **3 TURNS OUT**

If fan for grease hood- does it have hinge kit & grease cup/

YES

Is the electrical Whip frayed?

NO **HOLE AT BASE IN CURB IS STARTING TO BECOME COMPROMISED**

Does The whip interfere with hinging?

NO

Any excessive noise?

NO

Fan belt in good condition?

YES

OTHER

EXHAUST PRE-INSPECTION FUNCTIONAL TEST FORM

PROJECT: DILLONS 615-065 WICHITA, KS
TESTING: CONDITION OF EXISTING EXHAUST FANS



FAN SERVES:	BAKERY HOOD
FAN TAG:	KR TAG 4011545 / EF-5
MFG	CAPTIVE-AIRE
MODEL	NCA10FA
HP	1/2
NAMEPLATE VOLT	115/208-230
NAMEPLATE AMP	7.7/4.3-3.9
BELT SIZE & CONDITION	1 - AX20
EXHAUST (ACTUAL AIRFLOW MEASURED)	751 CFM
ADDITIONAL NOTES (OVERALL DEFFICIENCY OR CONDITION OF FAN-DESCRIBE & INDICATE HOW YOU MEASURED AIRFLOW:	



COMMENTS:

Speed controller function (if applicable)

VARIABLE PULLEY **5 TURNS OUT**

If fan for grease hood- does it have hinge kit & grease cup/

NO **GREASE CUP / NO HINGES**

Is the electrical Whip frayed?

NO

Does The whip interfere with hinging?

NO **NO HINGES**

Any excessive noise?

NO

Fan belt in good condition?

YES

OTHER



FAN SERVES:	HOBART BREAD OVEN HOOD
FAN TAG:	KR#: 4011546 / EF-6
MFG	CAPTIVE-AIRE
MODEL	NCA14HPFA
HP	1/3
NAMEPLATE VOLT	115
NAMEPLATE AMP	6.4
BELT SIZE & CONDITION	1 - AX20
EXHAUST (ACTUAL AIRFLOW MEASURED)	982 CFM
ADDITIONAL NOTES (OVERALL DEFFICIENCY OR CONDITION OF FAN-DESCRIBE & INDICATE HOW YOU MEASURED AIRFLOW:	

COMMENTS:

Speed controller function (if applicable)

VARIABLE PULLEY **3 TURNS OUT**

If fan for grease hood- does it have hinge kit & grease cup/

NO HINGES **GREASE CUP INSTALLED**

Is the electrical Whip frayed?

NO HINGES

Does The whip interfere with hinging?

NO HINGES

Any excessive noise?

NO HINGES


Fan belt in good condition?

YES

OTHER

MUA PRE-INSPECTION FUNCTIONAL TEST FORM

PROJECT: DILLONS 615-065 WICHITA, KS
TESTING: CONDITION OF EXISTING MAKE UP AIR FANS

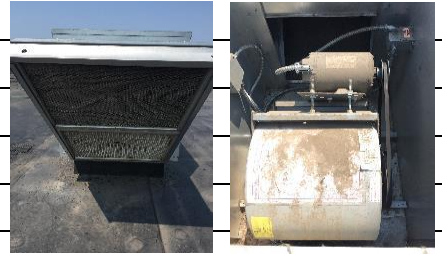
MUA TAG (UNIT #):	MAU-1	MFG	CAPTIVE-AIRE / KR #4011539
		MODEL	NSAU1-G10
		MOTOR HP	1/2 HP
		NAMEPLATE AMPS	7.7
		NAMEPLATE VOLT	115/208-230
		# BELTS / SIZE / CONDITION	1 - AX44

HEATER (IF AVAILABLE)


(Turn O.A. Stat to 90 deg's) OR turn heater switch on at hood or control panel - Reset when done with visual test
 does it fire up? flame quality:

MUA Unit Heated OR Non-Heated? **NON 65 CFM (DIFFUSER 1: 28 CFM / DIFFUSER 2: 37 CFM) DELI CHICKEN HOOD LEFT**

Size & # of filters in Unit? **2 15.5"x19.25"**
Are the filters clean? **NO DIRTY ON THE INSIDE/SIDE OF THE UNIT**
Is the electrical Whip frayed? **NO**
Any excessive noise? **NO**
Total airflow measured (actual): **VARIABLE SHEAVE IS 3 TURNS OUT**



ADDITIONAL NOTES/COMMENTS (STATE ALSO HOW YOU MEASURED):

MUA TAG (UNIT #):	MAU-2	MFG	CAPTIVE-AIRE / KR#: 4011542
		MODEL	NSAU1-G10
		MOTOR HP	1/2 HP
		NAMEPLATE AMPS	115/208-230
		NAMEPLATE VOLT	7.7/4.3-3.9
		# BELTS / SIZE / CONDITION	1 - AX44

HEATER (IF AVAILABLE)

(Turn O.A. Stat to 90 deg's) OR turn heater switch on at hood or control panel - Reset when done with visual test
 does it fire up? flame quality:

MUA Unit Heated OR Non-Heated? **NON 0 CFM (DELI - CHICKEN OVEN HOOD RIGHT)**

Size & # of filters in Unit? **2 15.5"x19.25"**
Are the filters clean? **NO DIRTY ON THE INSIDE/SIDE OF THE UNIT**
Is the electrical Whip frayed? **NO**
Any excessive noise? **NO UNIT DOES NOT RUN**
Total airflow measured (actual): **0 CFM**



UNIT IS NOT FUNCTIONAL / DISCONNECT ON OR OFF / DISCONNECT WAS FOUND OFF

PROJECT DILLONS 615-065 WICHITA, KS
 HOOD TAG BAKERY

GENERAL DATA / HOOD SUMMARY

HOOD DATA							
MODEL	6024ND2	EXHAUST		SUPPLY		NET	
LENGTH	96	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
WIDTH	60	0	751	0	0	0	750.95

comments:

EXHAUST READINGS

U.L. CLASSIFIED GREASE BAFFLE FILTERS					
FILTER SIZE	16x16	16x20	20x20	20X25	12x16
SQR. FT. AREA	1.615	2.08	2.68	3.42	1.16
# OF FILTERS	1	4			
AREA					

FIELD NOTES



TOTAL AREA

READINGS	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12
VELOCITY R1	87	72	76	81	58	/	/	/	/	/	/	/
FILTER SIZE	20	20	20	20	16	/	/	/	/	/	/	/
AREA	2.08	2.08	2.08	2.08	1.615	/	/	/	/	/	/	/
FILTER CFM	181	150	158	168	94	/	/	/	/	/	/	/

AVERAGE VELOCITY	75
EXHAUST CFM	751

LEAVE CELLS ABOVE BLANK IF NO READINGS ARE TAKEN (DO NOT INPUT "0")

PRE-INSPECTION FUNCTION TEST

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM: CONDITIONS OF EXISTING HOOD SYSTEMS

HOOD # 1	FIELD NOTES
SIZE OF HOOD (L x W)	96"X60"
LOCATION OF HOOD (IE- FRONT CHARBROILER DISPLAY HD)	BAKERY
IS HOOD EXHAUST ONLY OR EXHAUST WITH MU-AIR?	EXHAUST ONLY
IF HOOD HAS MUA AIR - IS AIR COMING OUT OF PLENUM OR IS IT CLOGGED WITH DIRT?	NONE
ANY MISSING FILTERS (QTY/SIZE):	NO - ALUMINUM BAFFLE
ANY EVIDENCE OF GREASE ACCUMILATION IN OR AROUND HOOD?	NO

MFG CAPTIVE-AIRE
MODEL 6024ND-2 / KR#4011625

INSERT PICTURE / NOTES:



PROJECT DILLONS 615-065 WICHITA, KS
 HOOD TAG DELI HOOD (CHICKEN - OVENS) HOOD RIGHT

GENERAL DATA / HOOD SUMMARY

HOOD DATA							
MODEL	6024ND2	EXHAUST		SUPPLY		NET	
LENGTH	120"	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
WIDTH	60"	0	1292	0	0	0	1291.68

comments:

EXHAUST READINGS

U.L. CLASSIFIED GREASE BAFFLE FILTERS					
FILTER SIZE	16x16	16x20	20x20	20X25	12x16
SQR. FT. AREA	1.615	2.08	2.68	3.42	1.16
# OF FILTERS	0	6			
AREA					

FIELD NOTES



TOTAL AREA

READINGS	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12
VELOCITY R1	94	97	110	122	110	88	/	/	/	/	/	/
FILTER SIZE	20	20	20	20	20	20	/	/	/	/	/	/
AREA	2.08	2.08	2.08	2.08	2.08	2.08	/	/	/	/	/	/
FILTER CFM	196	202	229	254	229	183	/	/	/	/	/	/

AVERAGE VELOCY	215
EXHAUST CFM	1292

LEAVE CELLS ABOVE BLANK IF NO READINGS ARE TAKEN (DO NOT INPUT "0")

PRE-INSPECTION FUNCTION TEST

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM: CONDITIONS OF EXISTING HOOD SYSTEMS

HOOD # 1	FIELD NOTES
SIZE OF HOOD (L x W)	120"X60"
LOCATION OF HOOD (IE- FRONT CHARBROILER DISPLAY HD)	HOOD RIGHT - DELI/CHICKEN OVENS
IS HOOD EXHAUST ONLY OR EXHAUST WITH MU-AIR?	EXHAUST ONLY
IF HOOD HAS MUA AIR - IS AIR COMING OUT OF PLENUM OR IS IT CLOGGED WITH DIRT?	N/A
ANY MISSING FILTERS (QTY/SIZE):	NO-ALUMINUM BAFFLE
ANY EVIDENCE OF GREASE ACCUMILATION IN OR AROUND HOOD?	YES-OVEN DOORS ARE PAST HOODS AND STEAM ROLLS OUT

MFG CAPTIVE-AIRE
MODEL 6024ND2 KR#4011646

INSERT PICTURE / NOTES:



PROJECT DILLONS 615-065 WICHITA, KS
 HOOD TAG DELI HOOD (CHICKEN - OVENS) HOOD LEFT

GENERAL DATA / HOOD SUMMARY

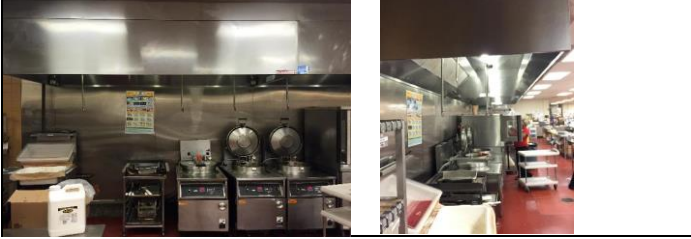
HOOD DATA							
MODEL	6024ND2	EXHAUST		SUPPLY		NET	
LENGTH	120"	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
WIDTH	60"	0	1136	0	0	0	1135.68

comments:

EXHAUST READINGS

U.L. CLASSIFIED GREASE BAFFLE FILTERS					
FILTER SIZE	16x16	16x20	20x20	20X25	12x16
SQR. FT. AREA	1.615	2.08	2.68	3.42	1.16
# OF FILTERS	0	6			
AREA					

FIELD NOTES



TOTAL AREA												
READINGS	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12
VELOCITY R1	101	141	120	95	89							
FILTER SIZE	20	20	20	20	20							
AREA	2.08	2.08	2.08	2.08	2.08							
FILTER CFM	210	293	250	198	185							
AVERAGE VELOCY	227	LEAVE CELLS ABOVE BLANK IF NO READINGS ARE TAKEN (DO NOT INPUT "0")										
EXHAUST CFM	1136											

PRE-INSPECTION FUNCTION TEST

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM: DELI HOOD (CHICKEN - OVENS) HOOD LEFT

HOOD # 1	FIELD NOTES
SIZE OF HOOD (L x W)	120X60
LOCATION OF HOOD (IE- FRONT CHARBROILER DISPLAY HD)	HOOD LEFT - DELI HOOD (CHICKEN - DEEP FAT FRYERS)
IS HOOD EXHAUST ONLY OR EXHAUST WITH MU-AIR?	EXHAUST ONLY
IF HOOD HAS MUA AIR - IS AIR COMING OUT OF PLENUM OR IS IT CLOGGED WITH DIRT?	N/A
ANY MISSING FILTERS (QTY/SIZE):	NO - ALUMINUM BAFFLE
ANY EVIDENCE OF GREASE ACCUMILATION IN OR AROUND HOOD?	NO

MFG CAPTIVE-AIRE / KR#4011646
MODEL 6024ND2

INSERT PICTURE / NOTES:



PROJECT DILLONS 615-065 WICHITA, KS
 HOOD TAG CHINESE WOK HOOD

GENERAL DATA / HOOD SUMMARY

HOOD DATA							
MODEL	6024ND2	EXHAUST		SUPPLY		NET	
LENGTH	168	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
WIDTH	60	0	2507	0	0	0	2506.84

comments:

EXHAUST READINGS

U.L. CLASSIFIED GREASE BAFFLE FILTERS					
FILTER SIZE	16x16	16x20	20x20	20x25	12x16
SQR. FT. AREA	1.615	2.08	2.68	3.42	1.16
# OF FILTERS	3	6			
AREA					



TOTAL AREA

READINGS	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12
VELOCITY R1	126	144	154	143	138	148	151	152	144			
FILTER SIZE	16	16	16	20	20	20	20	20	20			
AREA	1.615	1.615	1.615	2.08	2.08	2.08	2.08	2.08	2.08			
FILTER CFM	203	233	249	297	287	308	314	316	300			

AVERAGE VELOCITY	144
EXHAUST CFM	2507

LEAVE CELLS ABOVE BLANK IF NO READINGS ARE TAKEN (DO NOT INPUT "0")

PRE-INSPECTION FUNCTION TEST

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM: CONDITIONS OF EXISTING HOOD SYSTEMS

HOOD # 1	FIELD NOTES
SIZE OF HOOD (L x W)	168X60
LOCATION OF HOOD (IE- FRONT CHARBROILER DISPLAY HD)	CHINESE WOK
IS HOOD EXHAUST ONLY OR EXHAUST WITH MU-AIR?	EXHAUST ONLY
IF HOOD HAS MUA AIR - IS AIR COMING OUT OF PLENUM OR IS IT CLOGGED WITH DIRT?	NA
ANY MISSING FILTERS (QTY/SIZE):	NO - ALUMINUM
ANY EVIDENCE OF GREASE ACCUMILATION IN OR AROUND HOOD?	SOME AFFLUENT NOT BEING CAPTURED

MFG CAPTIVE-AIRE KR#: 4011660
MODEL 6024ND2

INSERT PICTURE / NOTES:



PROJECT DILLONS 615-065 WICHITA, KS
 HOOD TAG BREAD - BAKERY OVEN EYEBROW HOOD

GENERAL DATA / HOOD SUMMARY

HOOD DATA							
MODEL	NG	EXHAUST		SUPPLY		NET	
LENGTH	72	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
WIDTH	30	0	982	0	0	0	982.1

comments:

EXHAUST READINGS

U.L. CLASSIFIED GREASE BAFFLE FILTERS					
FILTER SIZE	14X61	16x20	20x20	20X25	12x16
SQR. FT. AREA	5.9	2.08	2.68	3.42	1.16
# OF FILTERS	1	0			
AREA					



READINGS	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12
VELOCITY R1	141	167	183	184	153	/	/	/	/	/	/	/
FILTER SIZE	0	0	0	0	0	/	/	/	/	/	/	/
AREA	1.19	1.19	1.19	1.19	1.19	/	/	/	/	/	/	/
FILTER CFM	167	198	217	218	181	/	/	/	/	/	/	/
AVERAGE VELOCITY	166											
EXHAUST CFM	982											

LEAVE CELLS ABOVE BLANK IF NO READINGS ARE TAKEN (DO NOT INPUT "0")

PRE-INSPECTION FUNCTION TEST

PROJECT: DILLONS 615-065 WICHITA, KS
SYSTEM: CONDITIONS OF EXISTING HOOD SYSTEMS

HOOD # 1	FIELD NOTES
SIZE OF HOOD (L x W)	72X30
LOCATION OF HOOD (IE- FRONT CHARBROILER DISPLAY HD)	BREAD OVEN
IS HOOD EXHAUST ONLY OR EXHAUST WITH MU-AIR?	EXHAUST ONLY
IF HOOD HAS MUA AIR - IS AIR COMING OUT OF PLENUM OR IS IT CLOGGED WITH DIRT?	NA
ANY MISSING FILTERS (QTY/SIZE):	NA
ANY EVIDENCE OF GREASE ACCUMILATION IN OR AROUND HOOD?	NO

MFG HOBART
 MODEL NG

INSERT PICTURE / NOTES:

