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Pre-Evaluation Report Prior to PreDesign Phase

**PROJECT
ADDRESS**

KROGER #435

808 N. 12TH ST.

MURRAY, KY 42071

**ARCHITECT /
ENGINEER**

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**NEBB TAB
FIRM**

TEAMMATE FIRM - AIR SOLUTIONS, INC.

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This test completed on 7/27/2012
This report completed on 8/2/2012





PROJECT: Kroger - Murray, KY
SYSTEM: Pictures & Misc Information

SUMMARY



435 rtu-4 return pulled away from unit. rrecommend getting this fixed during remodel



bakery area non operational hood - EMPLOYEES DO NO USE IT - could be eliminated if KROGER has no need for it.



Bakery oven hood



PROJECT: Kroger - Murray, KY
SYSTEM: Pictures & Misc Information

SUMMARY



customer service layout



exterior front of store 2



exterior front of store

PROJECT: Kroger - Murray, KY
SYSTEM: Pictures & Misc Information

SUMMARY



fan not in use over by bakery -
Could be Capped if not used.



Fryer hood



managers office

PROJECT: Kroger - Murray, KY
SYSTEM: Pictures & Misc Information

SUMMARY



mua filters dirty



**mua suppls fryers and stove
oven unit not running - fix if
plan on using existing system.**



pharmacy direct drive

PROJECT: Kroger - Murray, KY
SYSTEM: Pictures & Misc Information

SUMMARY



roof



rtu-1 and rtu-2



rtu-1 on left, rtu-2 on right

PROJECT: Kroger - Murray, KY
SYSTEM: Pictures & Misc Information

SUMMARY

rtu-3 customer service



rtu-5 pharmacy outside air



stove and oven hood



PROJECT: Kroger STORE
#: 435 LOCATION:
Murray, KY

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Defining Overall Scope/ Issues

Scope of work for renovation. NATIONAL TAB TEAM & Balancing TECH to ask each person below to identify these items before project is scheduled or when the tech arrives on site. While tech is on site, they should interview the Store Manager and Maintenance personnell and gather & record data below.

Project Manager: Matt 901/262/5737

Controls: 901-304-6816 Mark

Maint:

Engineer/ Architect: (NOT KNOWN THEN LEAVE BLANK)

Pre existing HVAC issues (ex: Temperature, noise and building pressure issues)

Store Manager: Spoke with Jake (Co-Manager), store manager was not in. According to Jake he has not felt any drafts in the store, the only thing he mentioned is at 12 am - 6 am it gets hot in the retail areas. Upstairs in the office managers area, he says it will either get too warm or too cold. Jake said last year a blower motor went out but everything has been good since.

Lead Store Maintenance Technician: Mark Davenport had no problems out of store. Well maintained.

Overall Condition of space (note any drafts, building pressurization, compressor room sealed, hot & cold spots, visual inspection-Document with pictures.) Also stick your head above drop ceiling IF YOU CAN ACCESS and see if all ductwork is connected & not coming apart:

From what I could see everything was connected and good airflow.

Kroger Evaluation - Store Analysis

PROJECT: Kroger STORE
#: 435 LOCATION: Murray,
KY

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Building Evaluation

Retail area

- Any noticeable drafts in space (especially at open cooler cases that would cause spillage) **no**
- Are there any hot & cold spots in store **no**
- Does the passive door separating the retail from back storage appear in good working condition **yes**
- What is the pressure like from retail store to back dock area

Remaining area throughout the store

- What is the building pressure if possible with dock doors closed. At minimum - verify if the building seem to be neutral in nature or if air is rushing in or out of **could not verify (busy)**
- Does the compressor room appear to be sealed **yes**
- Does the cart coral door appear to be in working condition to keep a barrier from outside elements/temperature **yes**

Controls (Have KS/Kroger Team assist with the controls verification if possible)

- Type of Controls (Danfoss or CPC) **yes**
- Units controlled currently by system (ie.. RTU 1, 2, 3, etc) **yes**
- Any fault or error codes (maintenance provide input) **no**
- Other: **no**

Additional Notes & Comments about the Store & MEP's:

Compressor room is on roof

PROJECT: Kroger STORE #: 435
LOCATION: Murray, KY

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Equipment Evaluation UNIT: 1

RTU/ AHU Unit (Specific to Retail spaces ONLY)

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

Describe Issues:

Looked real good, coils had some dirt but overall not bad.

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.



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

PROJECT: KROGER #435 (MURRAY, KY)
SYSTEM/UNIT: RTU-1 (MAIN SALES FLOOR)



UNIT DATA:	
UNIT MANF.	CARRIER
MODEL #	48DJD054DA
SERIAL #	0295F28414
DISCHARGE	VERTICAL DOWN
SHEAVE DIAM / BORE	25V187051 1 11/16"
# BELTS / SIZE	2 5VX1320
# FILTERS / SIZE	20 20X25X2
UNIT TAG (BarCode on Unit Housing if found)	FILTERS BRAND NEW

MOTOR DATA:	
MOTOR MANF.	MAGNETEK
FRAME	S284T
HP / RPM	15/6.7 1765/1175
VOLTAGE / PHASE	200-230 3
F.L. AMPS / S.F.	47-54 / 22-21 1.15
SHEAVE DIAM / BORE	2Q5V59 1 7/8"

TEST DATA	
TOTAL SUPPLY AIR	19947
TOTAL OUTSIDE AIR	5333
FAN RPM	550 / MOTOR RPM 1770
R.L. VOLTAGE	206, 205, 205
R.L. AMPERAGE	21.5, 19.4, 20.7
TYPE OF OA DAMPER	MANUAL BLADES
OPEN AREA-DUCT OF OUTSIDE AIR	2 - 69 1/2" x 15 1/2"-7.48
DUCT SIZE OF MAIN SUPPLY DUCT	66" x 26"
DUCT SIZE OF MAIN RETURN DUCT	80" x 64"
DX FILTER CONDITION	GOOD

TEST DATA	
E.S.P. SUCTION	-0.42"
E.S.P. DISCHARGE	0.63"
TOTAL E.S.P.	1.05"
UNIT TOTAL S.P. (TSP)	1.44 FAN COMP
DX COIL SP	
REHEAT COIL SP	
OUTDOOR TEMP	101°
DX COIL TEMP DURING COOLING MODE	77° & 62°
STORE TEMP	
OUTSIDE AIR T.	

REMARKS:

SQUARE DUCT TRAVERSE FORM



PROJECT	KROGER #435 (MURRAY, KY)	SYSTEM	RTU-1
LOCATION		SERVICE	
ALTITUDE -	DENSITY -	FACTOR	

DUCT	S.P.(act)	TEMP	REQUIRED	SCFM	ACTUAL	SCFM
SIZE	66X26		FPM		FPM	1674
AREA (ft)	11.916		CFM		CFM	19,947

DISTANCE FROM BOTTOM	POSITION	1	2	3	4	5	6	7	8	9	10	11	12
	1	1576	1621	1604	1465	1442	1602	1785	1502	1274			
	2	1708	1747	1693	1499	1502	1694	1689	1518	1371			
	3	1725	1809	1794	1568	1491	1728	1535	1631	1463			
	4	1812	1880	1872	1630	1447	1811	1608	1694	1408			
	5	1864	1898	1886	1636	1437	1783	1742	1687	1461			
	6	1842	1875	1898	1757	1516	1830	1782	1670	1441			
	7	1829	1846	1894	1716	1487	1863	1793	1620	1462			
	8	1807	1819	1875	1767	1558	1838	1779	1640	1502			
	9	1800	1794	1841	1753	1548	1808	1677	1625	1429			
	10												
	11												
	12												
	13												
	14												
DISTANCE FROM DUCT EDGE													
VELOCITY SUB - TOTALS													

REMARKS:

PROJECT: Kroger STORE #: 435
LOCATION: Murray, KY

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Equipment Evaluation UNIT: 2

RTU/ AHU Unit (Specific to Retail spaces ONLY)

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

Describe Issues:

No issues, everything was running great. Bearings greased, filters new, motor running under full load.

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.



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

PROJECT: KROGER #435 (MURRAY, KY)
SYSTEM/UNIT: RTU-2 (MAIN SALES FLOOR)



UNIT DATA:	
UNIT MANF.	CARRIER
MODEL #	48DJD054DA
SERIAL #	0295F28407
DISCHARGE	VERTICAL DOWN
SHEAVE DIAM / BORE	18 3/4" 1 11/16"
# BELTS / SIZE	2 5VX1320
# FILTERS / SIZE	20 20X25X2
UNIT TAG (BarCode on Unit Housing if found)	

MOTOR DATA:	
MOTOR MANF.	MAGNETEK
FRAME	S284T
HP / RPM	15/6.7 1765/1145
VOLTAGE / PHASE	200-230 3
F.L. AMPS / S.F.	47-54 / 22-21 1.15
SHEAVE DIAM / BORE	2Q5V59 1 7/8"

	TEST DATA
TOTAL SUPPLY AIR	17768
TOTAL OUTSIDE AIR	6095
FAN RPM	FAN 552 / MOTOR 1772
R.L. VOLTAGE	204, 205, 206
R.L. AMPERAGE	20.5, 20.9, 20.4
TYPE OF OA DAMPER	MANUAL BLADES
OPEN AREA-DUCT OF OUTSIDE AIR	69 1/2" x 15 1/2" - 7.48
DUCT SIZE OF MAIN SUPPLY DUCT	66" x 26"
DUCT SIZE OF MAIN RETURN DUCT	80" x 64"
DX FILTER CONDITION	GOOD

TEST DATA	TEST DATA
E.S.P. SUCTION	-0.32"
E.S.P. DISCHARGE	0.55"
TOTAL E.S.P.	0.87"
UNIT TOTAL S.P. (TSP)	1.33 FAN
DX COIL SP	
REHEAT COIL SP	
OUTDOOR TEMP	101°
DX COIL TEMP DURING COOLING MODE	
STORE TEMP	
OUTSIDE AIR T.	

REMARKS:

SQUARE DUCT TRAVERSE FORM



PROJECT	KROGER #435 (MURRAY, KY)	SYSTEM	RTU-2
LOCATION		SERVICE	
ALTITUDE -	DENSITY -	FACTOR	

DUCT	REQUIRED	ACTUAL
S.P.(act)	TEMP -	SCFM -
SIZE	70X24	FPM 1523
AREA (ft)	11.66	CFM 17,768

DISTANCE FROM BOTTOM	POSITION	1	2	3	4	5	6	7	8	9	10	11	12
	1	1263	1568	1564	1624	1610	1512	1464	1347	1564	1485	1483	
	2	1361	1577	1555	1619	1583	1508	1411	1583	1550	1624	1523	
	3	1451	1605	1575	1514	1596	1557	1331	1624	1598	1594	1551	
	4	1447	1554	1545	1513	1555	1527	1404	1629	1539	1589	1630	
	5	1564	1545	1556	1531	1621	1552	1418	1587	1601	1633	1581	
	6	1537	1577	1501	1476	1579	1467	1416	1629	1590	1596	1565	
	7	1507	1526	1486	1471	1418	1479	1528	1577	1568	1598	1521	
	8	1497	1506	1496	1476	1178	1500	1540	1585	1524	1564	1507	
	9	1502	1517	1464	1380	1381	1451	1513	1590	1589	1513	1381	
	10												
	11												
	12												
	13	1145 CFM → [1] BACK ROOM DIFFUSER											
	14												
DISTANCE FROM DUCT EDGE													
VELOCITY SUB - TOTALS													

REMARKS:

[1] BACK ROOM CLEANING AREA DIFFUSER DESIGN IS 1500, ACTUAL IS 1145 CFM
 TOTAL FOR UNIT = 18,913

AHU-RTU EVALUATION TEST FORM FOR ADJACENT TO RETAIL SPACE

PROJECT: KROGER #435 (MURRAY, KY)
SYSTEM/UNIT: RTU-3 **AREA SERVED:** CUSTOMER SERVICE



UNIT & MOTOR DATA:	
UNIT MANF.	CARRIER
MODEL #	48ES-A3006030TP
SERIAL #	0111C26664
DISCHARGE	VERTICAL DOWN
MOTOR HP	1/2
MOTOR RATED VOLTS	208-230
MOTOR RATED AMPS	4.1
UNIT TAG (BarCode on Unit Housing if found)	

UNIT CONDITION:	
PHYSICAL DAMAGE	NONE (LOOKS BRAND NEW)
PULLEY/BELT WEAR	DD
WIRING	
FILTERS	
OUTSIDE AIR DAMPER TYPE	N/A
SIZE OF OUTSIDE AIR DAMPER	N/A
DX FILTER CONDITION	EXCELLENT
POSITION OF OA DAMPER	N/A

TEST DATA	
TOTAL OUTSIDE AIR	0
R.L. VOLTAGE	-
R.L. AMPERAGE	-
TOTAL SUPPLY CFM	786

DESCRIBE ANY OTHER DEFFICIENT CONDITIONS BELOW & ATTACH PICTURES

No outside air intake or hood. If requires outside air for remodel; it will require unit to have HVAC contractor to install a manual intake hood with manual outside air slide damper. See Pictures in summary

REMARKS:

AIR SOLUTIONS, INC.
FAN TEST REPORT



PROJECT: KROGER #435 (MURRAY, KY)
SYSTEM/UNIT: EXHAUST

FAN DATA	FAN UNIT #		FAN UNIT #		FAN UNIT #	
LOCATION	ROOF		ROOF		ROOF	
SERVICE	SEAFOOD		PUBLIC RESTROOMS		EMPLOYEE RESTROOM	
MANUFACTURER	LOREN COOK		LOREN COOK		LOREN COOK	
MODEL #	135C10D		90C15DH		90C15DH	
SERIAL #	-		-		-	
TYPE	DOWNBLAST		DOWNBLAST		DOWNBLAST	
MOTOR MANF / FRAME	MARATHON	48	MARATHON	48Y	A.O. SMITH	48Y
MOTOR HP / RPM	1/6	1100	1/8	1550	1/8	1550
VOLTAGE / PHASE	115	1	115	1	115	1
F.L.AMPS / S.F.	2.0	-	2.7	-	2.7	-
MTR SHEAVE DIA / BORE	DD	DD	DD	DD	DD	DD
FAN SHEAVE DIA / BORE	DD	DD	DD	DD	DD	DD
# BELTS / SIZE	DD	DD	DD	DD	DD	DD
SHEAVE C.L. DISTANCE	DD		DD		DD	

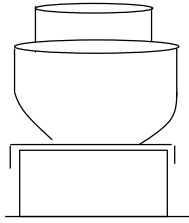
TEST DATA	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
CFM	-	873	-	360	-	[1]
FAN RPM		DD	-	DD	-	DD
MOTOR RPM		DD	1550	DD	1550	DD
E.S.P. SUCTION	-	-	-	-	-	-
E.S.P. DISCHARGE	-	-	-	-	-	-
TOTAL E.S.P.	-	-	-	-	-	-
R.L. VOLTAGE	115	118	115	120	115	-
R.L. AMPERAGE	2.0	1.8	2.7	1.7	2.7	-
ROTATION	-	OK	-	OK		

REMARKS:

[1] MOTOR LOCKED UP, HAD PROPER VOLTAGE. MOTOR EXTREMELY HOT, TURNED FAN OFF.

PRE-INSPECTION FUNCTIONAL TEST

PROJECT: KROGER #435 (MURRAY, KY)
TESTING: CONDITION OF EXISTING EXHAUST FANS



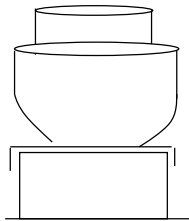
FAN SERVES:	FRYER & STOVE HOODS
FAN TAG:	N/A
MFG	LOREN COOK
MODEL	210V7B
HP	1
NAMEPLATE VOLT	208-230/460
NAMEPLATE AMP	3.5-3.6/1.8
BELT	A-26
OTHER	FAN SHEAVE AL64 - 3/4" MOTOR 4" x 7/8"

ADDITIONAL NOTES (OVERALL DEFFICIENCY OR CONDITION OF FAN-DESCRIBE):
FAN IS IN GOOD CONDITION, BEARINGS ARE GREASED, BELT IN EXCELLENT CONDITION

COMMENTS:

Speed controller function (if applicable) **N/A**
 If fan for grease hood- does it have hinge kit & grease cup/ **N/A**
 Is the electrical Whip frayed? **NO**
 Does The whip interfere with hinging? **NO**
 Any excessive noise? **NO**
 Fan belt in good condition? **YES**
 OTHER **NO**

N/A	N/A
NO	NO GREASE TRAY
NO	WHIP IS WEATHERED
NO	IF HAD HINGES THEN YES
NO	
YES	
NO	



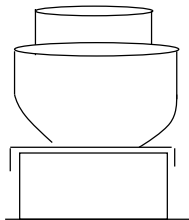
FAN SERVES:	NOTHING
FAN TAG:	N/A
MFG	LOREN COOK
MODEL	TAG HAS BLACK SPRAY PAINT ON IT
HP	1/3
NAMEPLATE VOLT	115
NAMEPLATE AMP	6.1
BELT	1 = 4L210
OTHER	

ADDITIONAL NOTES (OVERALL DEFFICIENCY OR CONDITION OF FAN-DESCRIBE):
FAN NOT RUNNING

COMMENTS:

Speed controller function (if applicable) **NO**
 If fan for grease hood- does it have hinge kit & grease cup/ **NO**
 Is the electrical Whip frayed? **NO**
 Does The whip interfere with hinging? **NO**
 Any excessive noise? **NO**
 Fan belt in good condition? **NO**
 OTHER **YES**

NO	
NO	
NO	WHIP IS WEATHERED
NO	
NO	NOT RUNNING
NO	
YES	



FAN SERVES:	BAKERY OVEN
FAN TAG:	42849
MFG	CAPTIVE-AIRE
MODEL	NCA14HPFA
HP	1/2
NAMEPLATE VOLT	115
NAMEPLATE AMP	7.7
BELT	AX21
OTHER	

ADDITIONAL NOTES (OVERALL DEFFICIENCY OR CONDITION OF FAN-DESCRIBE):
NEWER FAN IN GOOD SHAPE, UNIT CAME WITH HINGES NOT INSTALLED

COMMENTS:

Speed controller function (if applicable) **NO**
 If fan for grease hood- does it have hinge kit & grease cup/ **NO**
 Is the electrical Whip frayed? **NO**
 Does The whip interfere with hinging? **NO**
 Any excessive noise? **NO**
 Fan belt in good condition? **YES**
 OTHER **YES / NO**

NO	
NO	
NO	
NO	
NO	
YES	
YES / NO	

PRE-INSPECTION FUNCTION TEST

PROJECT:	KROGER #435 (MURRAY, KY)
SYSTEM:	CONDITIONS OF EXISTING HOOD SYSTEMS

HOOD # 1	FRYER	FIELD NOTES
SIZE OF HOOD (L x W)		72X54
LOCATION OF HOOD (IE- FRONT CHARBROILER DISPLAY HD)		OTHER SIDE OF WALL BEHIND CHARBROILER (STOVE)
IS HOOD EXHAUST ONLY OR EXHAUST WITH MU-AIR?		WITH MUA
IF HOOD HAS MUA AIR - IS AIR COMING OUT OF PLENUM OR IS IT CLOGGED WITH DIRT?		NO UNIT IS NOT RUNNING
ANY MISSING FILTERS (QTY/SIZE):		NOT SURE IF FILTERS ARE THE CORRECT FILTERS, HOOD HAS A 24"x9" BLANK
ANY EVIDENCE OF GREASE ACCUMILATION IN OR AROUND HOOD?		

MFG N/A
MODEL N/A

HOOD #2	STOVE/OVEN	FIELD NOTES
SIZE OF HOOD (L x W)		48"x53"
LOCATION OF HOOD (IE- FRONT CHARBROILER DISPLAY HD)		THERE IS A WALL THAT BOTH FRYER AND STOVE HOODS ARE MOUNTED TO. STOVE HOOD ON FRONT SIDE.
IS HOOD EXHAUST ONLY OR EXHAUST WITH MU-AIR?		WITH MUA
IF HOOD HAS MUA AIR - IS AIR COMING OUT OF PLENUM OR IS IT CLOGGED WITH DIRT?		MUA IS NOT RUNNING
ANY MISSING FILTERS (QTY/SIZE):		NOT SURE IF FILTERS ARE CORRECT SIZE FOR HOOD HAS 24"x9" BLANK
ANY EVIDENCE OF GREASE ACCUMILATION IN OR AROUND HOOD?		

MFG N/A
MODEL N/A

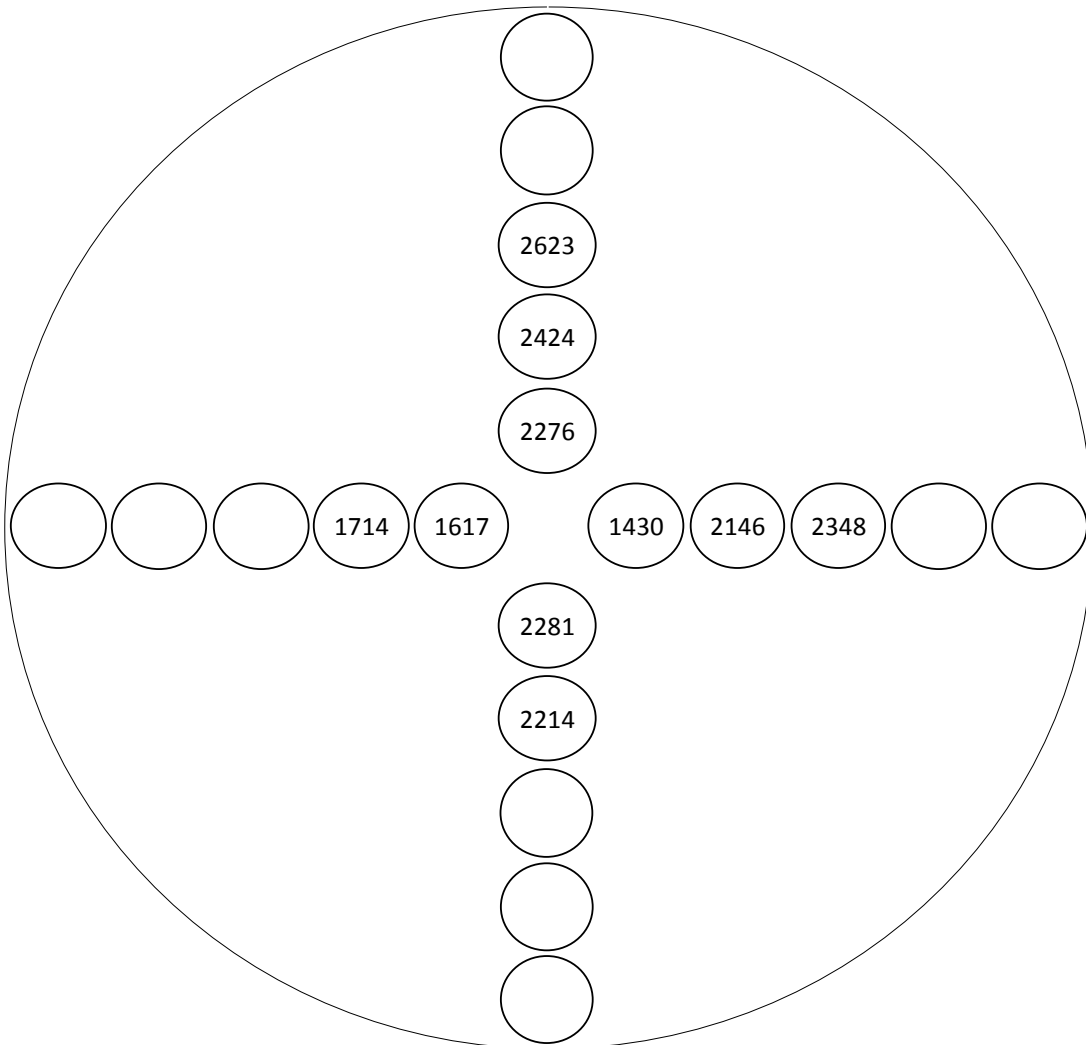
HOOD # 3	FIELD NOTES
SIZE OF HOOD (L x W)	42" x 48"
LOCATION OF HOOD (IE- FRONT CHARBROILER DISPLAY HD)	BY BAKERY OVEN, HOOD NOT BEING USED. DUCT TAPE OVER LIGHT SOCKET.
IS HOOD EXHAUST ONLY OR EXHAUST WITH MU-AIR?	NO MUA
IF HOOD HAS MUA AIR - IS AIR COMING OUT OF PLENUM OR IS IT CLOGGED WITH DIRT?	N/A
ANY MISSING FILTERS (QTY/SIZE):	2 - 24" x 16"
ANY EVIDENCE OF GREASE ACCUMILATION IN OR AROUND HOOD?	

MFG N/A
MODEL N/A

AIR SOLUTIONS, INC.
 ROUND DUCT TRAVERSE FORM

PROJECT:	KROGER #435 (MURRAY, KY)	SYSTEM:	
LOCATION - ZONE:		SERVICE:	BAKERY OVEN
ALTITUDE:		DENSITY:	
		FACTOR:	

DUCT	REQUIRED	ACTUAL
S.P.:	SCFM:	SCFM:
SIZE: 8"	FPM:	FPM: 2107
AREA: 0.345	CFM:	CFM: 726
TEMP:		



TEST DATE:
7/26/2012
READINGS BY:
CG

REMARKS:

Kroger Pre-Design Walk Thru HVAC - Store Analysis

PROJECT: KROGER
STORE #: 435 LOCATION:
MURRAY, KY

P # 800-291-7138
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Fax 513-860-0465

Equipment Evaluation

RTU/ AHU Unit (Specific to Retail spaces ONLY)

- | | |
|--|----------|
| - Unit condition: (ex: physical damage, dirty coils, filters, belts, pulleys and wiring) | no |
| - Unit manufacturer, model and serial: | yes |
| - An elevation diagram of Unit arrangement | yes / no |
| - Supply fan motor performance: (ex: volts, amps and speed/pulley setting) | yes |
| - Total air flow/ outside air: (as is - typically duct traverse) | yes |
| - Temperature readings of supply, Return, OA & across coils (cooling) | yes |
| - Static pressures across key unit components: | yes |
| - Visual inspection only of ductwork, grills and dampers (condition of sys.): | yes |
| - Verify duct size of main branchlines & diffuser locations | yes |
| - Other: | no |
-
-

Remaining RTU's and AHU's throughout the space

- | | |
|--|-----|
| - Unit condition: (ex: physical damage, dirty coils, filters, belts, pulleys and wiring) | no |
| - Unit manufacturer, model and serial: | yes |
| - Supply fan motor performance: (ex: volts, amps and speed/pulley setting) | yes |
| - Total air flow/ outside air: (as is) | yes |
| - Outside air intake and size | yes |
| - Other: | no |
-
-

General exhaust fans and make up air fans

- | | |
|--|-----|
| - Unit condition: (ie. Physical damage, pulley/belt wear, wiring, filters) | no |
| - Unit manufacturer, model and serial: | yes |
| - Fan motor performance: (ex: volts, amps and speed/pulley setting) | yes |
| - Other: | no |
-
-

Hoods

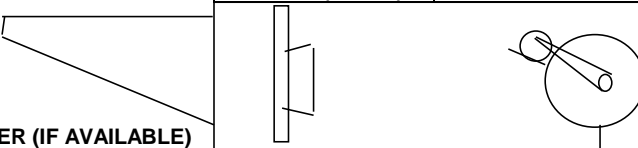
- | | |
|---|-----|
| - Unit condition: | yes |
| - Unit manufacturer, model and any listed located on hood labels: | no |
| - Filter condition: (eg: missing dirty or broken) | yes |
| - Total air flow (measured at filters only): | yes |
-
-

Controls

- | | |
|--|-----|
| - Type of Controls (Danfoss or CPC) | yes |
| - Units controlled currently by system (ie.. RTU 1, 2, 3, etc) | yes |
| - Any fault or error codes (maintenance provide input) | no |
| - Other: _____ | no |

PRE-INSPECTION FUNCTIONAL TEST

PROJECT: KROGER #435 (MURRAY, KY)
TESTING: CONDITION OF EXISTING MAKE UP AIR FANS

MUA TAG (UNIT #):	SF 1	MFG	LOREN COOK
		MODEL	120ASP
		MOTOR HP	
		NAMEPLATE AMPS	
		NAMEPLATE VOLT	
		# BELTS / SIZE	

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-HEATED
Size & # of filters in Unit?	4 - 28X16
Are the filters clean?	FILTHY
Is the electrical Whip frayed?	NO
Any excessive noise?	MUA NOT RUNNING
Fan belt in good condition?	FAIR BELT SIZE A-45

ADDITIONAL NOTES/COMMENTS: UNIT TURNED ON AT ROOF BUT NOT RUNNING, NO POWER AT ROOF, 1 FUSE BLOWN. IF GOING TO BE REUSED AFTER REMODEL, SUGGEST TO HAVE HVAC CONTRACTOR FIX DURING RENOVATION PHASE