

**Report By:**

**National TAB  
1329 E Kemper Rd, Ste 4210  
Cincinnati, OH 45246**

**NATIONAL** 

**Report: Renew  
Date: 2/24/2022**

**PROJECT  
FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)**

947 NW PLAZA DR  
BRIDGETON, MO 63074

**Client**

**Freddy's Frozen Custard & Steakburgers (CORPORATE)  
260 N Rock Rd  
Suite 200  
Wichita, KS 67206**

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Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

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## RECOMMENDATION LIST

Assigned Organization: National TAB

Status: Not Submitted

Asset:

RECOMMENDATION (CLEAN/REPAIR/REPLACE/INFO)	
INFO	No issues to report

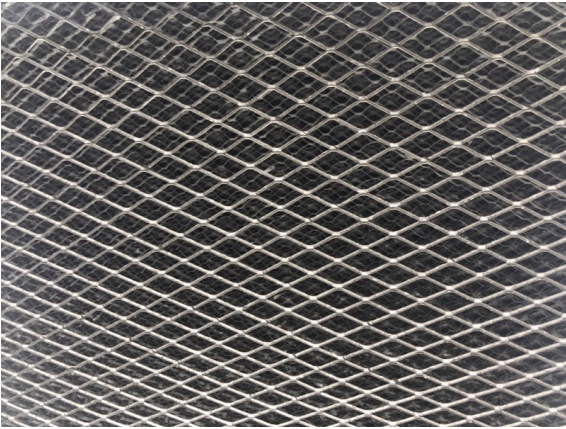
Notes/Comments:



Freddy's Bridgeton, MO



MAU  
HD-1 & HD-2



MAU  
Dirty outside air filters



RTU-1  
Dining



RTU-1  
Dirty outside air filters



RTU-1  
Dirty evaporator filters



RTU-1  
Clean evaporator filters



RTU-1  
Dirty evaporator coil



RTU-1  
Condensate drain



RTU-1  
Drain pan



RTU-2  
Dining



RTU-2  
Dirty outside air filters



RTU-2  
Dirty evaporator filters



RTU-2  
Clean evaporator filters



RTU-2  
Dirty evaporator coil



RTU-2  
Condensate drain



RTU-2  
Drain pan



Walk-in Cooler  
Dirty evaporator



Walk-in Cooler  
Clean evaporator



Walk-in Cooler  
Dirty condenser



Walk-in Freezer  
Dirty evaporator



Walk-in Freezer  
Clean evaporator



Walk-in Freezer  
Dirty condenser



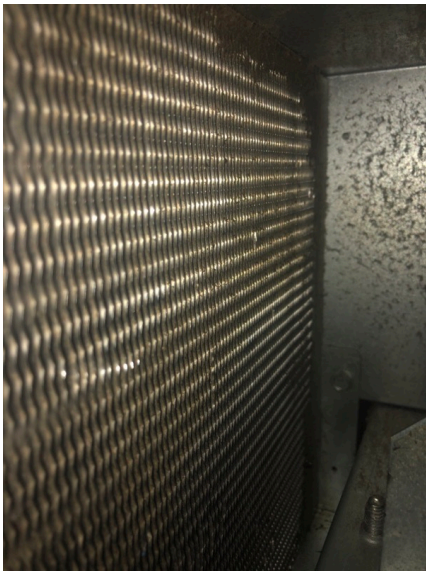
Meat Cooler 1  
Dirty condenser



Meat Cooler 1  
Clean condenser



Meat Cooler 2  
Dirty condenser



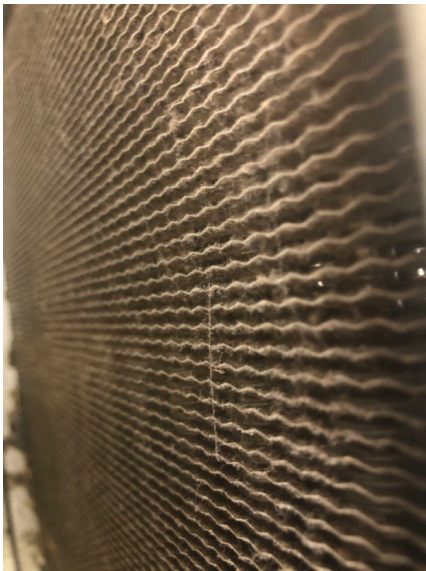
Meat Cooler 2  
Clean condenser



Prep Table 1  
Dirty condenser



Prep Table 1  
Clean condenser



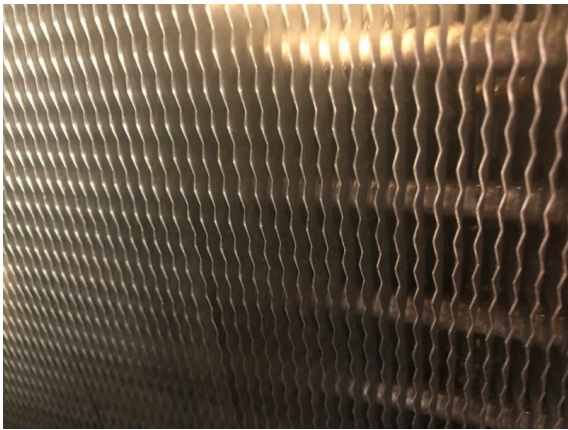
Fryer Freezer  
Dirty condenser



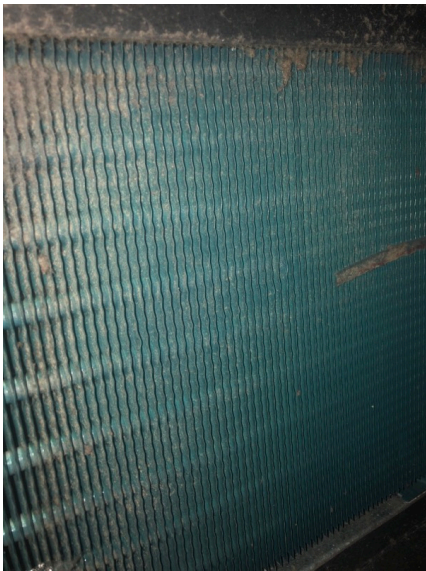
Fryer Freezer  
Clean condenser



Sundae Prep  
Dirty condenser



Sundae Prep  
Clean condenser



Toppings  
Dirty condenser



Toppings  
Clean condenser



EF-1  
Dirty



EF-1  
Clean



EF-2  
Dirty



EF-2  
Clean

## Project Summary

The purpose of the visit is to perform preventative maintenance for the store. We change belts and filters, clean evaporators and condenser, and check refrigeration and heating cycle where possible. We also, check and set exhaust, outside air, and make up air coming in out of the build to the engineer's design and/or to make the space as comfortable and healthy as possible. All of this ensures a healthy and comfortable space, extends service life of units, and reduces the number of future repairs by prevention.

Freddy's locations for preventative maintenance are done in a pair. This allows two stores preventative maintenance to be completed in one day. To accomplish this the food equipment will be cleaned every 6 months. So, every other visit to a store the food equipment will be evaluated and cleaned. Food equipment was evaluated this trip.

RTUs: There evaporator coil was rinsed off and cleaned. During warmer months a self-cleaning chemical is sprayed on the evaporator. The outside air filters were rinsed off to remove any dirty, so the unit stays at the designated outside air set point. Based on static pressures, amps, and fan rpm it shows that the total supply has not changed since the last test and balance.

MAU: The intake filters had slight dirt accumulation. They were washed.

All exhaust fans were cleaned out on the roof. The vents to the motor were cleaned so they can vent properly.

Food equipment condensers were cleaned. The Walk-In evaporator were cleaned. All equipment is in good health unless stated in the Recommendation List.

All issues found are reported in the Recommendation list at the start of the report.

## BUILDING PRESSURE SET POINTS

Assigned Organization: National TAB

Status: Not Submitted

Asset:

<b>INITIAL AIRFLOWS:</b>	
OA RTU-1 (DINING)	905
OA RTU-2 (KITCHEN)	1006
KEF-1 (GRIDDLE)	1563
KEF-2 (FRYER)	802
KEF-3 (DISH)	428
EF-1 (RESTROOM)	111
EF-2 (RESTROOM)	124
MAU-1	1838
TOTAL EXHUAST	3028
TOTAL SUPPLY	3749
NET AIRFLOW	721
<b>BUILDING PRESSURE ( in W.C.)</b>	
INITIAL BUILDING PRESSURE	0.009"
FINAL BUILDING PRESSURE	0.011"

Notes/Comments:

## PM CHECKLIST FOOD EQUIPMENT

Assigned Organization: National TAB

Status: Not Submitted

Asset:

<b>WALK-IN PM CHECKLIST</b>	
Are the doors clear of frost build up?	Yes
Are the evaporators clear of frost build up?	Yes
Are the walls clear of frost build up?	Yes
Are the penetrations and lines clear of frost build up?	Yes
Are all evaporator fans running?	Yes
<b>GENERAL FOOD EQUIPMENT</b>	
Are the units clear of frost?	Yes
Are the prefilters on the condensers clear/replaced?	Yes
Are the condensate drains clear of debris (If applicable)?	Yes

**Notes/Comments:**

## PM CHECKLIST HVAC

Assigned Organization: National TAB

Status: Not Submitted

Asset:

<b>HOOD CHECKLIST</b>	
Smoke test capture - Perimeter of hood	100%
Smoke test capture - Top of cooking surface	100%
Hoods turn on by switch or HMI?	HMI
Are the hoods "FAN ON BY BUTTON" upon arrival?	Yes
<b>RTU PM CHECKLIST</b>	
Outside air filter clean?	Unable to clean due to below freezing temperatures.
Evaporator Filters Replaced?	Yes
Evaporator Coil cleaned?	Unable to clean due to below freezing temperatures.
Condenser cleaned? (Seasonal)	No
Belt replaced in last 6 months?	Yes, on this visit.
Motor ventilation cleared of dust and debris?	Yes
Is there a return filter on the Dining Room RTU return duct? If so what type?	No
Is the return filter clean on the Dining Rooms RTU Dining duct?	NA
<b>MAU PM CHECKLIST</b>	
Outside air filter clean?	Unable to clean due to below freezing temperatures.
Belt replaced in last 6 months?	NA, unit is direct drive.
<b>EXHUAST FAN PM CHECKLIST</b>	
Motor ventilation cleared of dust and debris?	Yes
Belt replaced in last 6 months?	NA, all fans are direct drive.
Motor ventilation cleared of dust and debris?	Yes
Are the screws installed to secure the exhaust fan to the curb?	Yes
<b>THERMOSTAT CHECKLIST</b>	
Are the thermostats in fan "ON" position upon arrival?	Yes
Are the thermostats programed?	Yes
<b>ADDITIONAL</b>	
Manager on Duty at time of completion.	Paige

Is the roof free of debris? if not what was left on the roof?	Store hose is on roof.
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**Notes/Comments:**

# National TAB

Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

System/Unit: AHU/RTU

Asset: RTU-1

AREA: DINING

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Model Num	LGH150H4B	LGH150H4BH2Y
Serial Num	-	5620K02342
Num OA Filters 1	-	2
OA Filter Size 1	-	14.25X23
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2
Num Final Filter 2	-	NA
Final Filter Size 2	-	NA

Motor Data		
	Design	Actual
Motor MFG	-	NIDEC
Frame	-	184TZ
Horsepower	-	5
Motor Rpm	-	1765
Phase	-	3
Rated Voltage	-	208-230
Rated Amperage	-	13.8-13.01

Drive Data		
	Design	Actual
Num of Belts	-	1
Belt Size	-	BX57
Belt Alignment	-	VERIFIED

Test Data		
	Design	Actual
SF RPM	1049	1046
OA CFM	910	905
RL Voltage	-	212/211/211
RL Amperage	-	10.8/10.5/10.2

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.18"
Fan Suction SP	-	-1.01"
Fan Discharge SP	-	0.86"
Total ESP	1.20"	1.04"
Fan Total SP	-	1.87"

General		
	Design	Actual
Unit free of Damage	-	YES
Unit Completely Assembled	-	YES
Unit Leveled	-	YES
Curb & Unit Installed Air Tight	-	YES
Controls Complete	-	YES
Unit Filters Clean	-	YES
Evap Coil Clean	-	YES [1]
Evap Coil Free of Frost	-	YES
Condensor Coil Clean	-	YES [1]
Condensor Fins Straight	-	YES
Refr Sight Glass Dry	-	NA
Condensate Drain Installed	-	YES
Crankcase Heaters Operate	-	YES

Completed By: Michael McDonnell on 02/24/2022

Notes: [1] UNABLE TO CLEAN FILTERS/COIL DUE TO BELOW FREEZING TEMPERATURES.

# National TAB

Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

## System/Unit: AHU/RTU

Asset: RTU-2

AREA: KITCHEN

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Model Num	LGH150H4B	LGH150H4BH2Y
Serial Num	-	5620K02343
Num OA Filters 1	-	2
OA Filter Size 1	-	14.55X23
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2
Num Final Filter 2	-	NA
Final Filter Size 2	-	NA

Motor Data		
	Design	Actual
Motor MFG	-	NIDEC
Frame	-	184TZ
Horsepower	-	5
Motor Rpm	-	1765
Phase	-	3
Rated Voltage	-	208-230
Rated Amperage	-	13.8-13.0

Drive Data		
	Design	Actual
Num of Belts	-	1
Belt Size	-	BX57
Belt Alignment	-	VERIFIED

Test Data		
	Design	Actual
SF RPM	1047	1044
OA CFM	969	1006
RL Voltage	-	211/211/212
RL Amperage	-	10.4/10.8/11.1

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.85"
Fan Suction SP	-	-1.31"
Fan Discharge SP	-	0.64"
Total ESP	1.26"	1.49"
Fan Total SP	-	1.95"

General		
	Design	Actual
Unit free of Damage	-	YES
Unit Completely Assembled	-	YES
Unit Leveled	-	YES
Curb & Unit Installed Air Tight	-	YES
Controls Complete	-	YES
Unit Filters Clean	-	YES
Evap Coil Clean	-	YES [1]
Evap Coil Free of Frost	-	YES
Condensor Coil Clean	-	YES [1]
Condensor Fins Straight	-	YES
Refr Sight Glass Dry	-	NA
Condensate Drain Installed	-	YES
Crankcase Heaters Operate	-	YES

Completed By: Michael McDonnell on 02/24/2022

Notes: [1] UNABLE TO CLEAN FILTERS/COILS DUE TO BELOW FREEZING TEMPERATURE.

# National TAB

Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

## System/Unit: FAN - Supply

Asset: MAU1

AREA: HOOD 1&2

Unit Data		
	Design	Actual
MFG	CAPITVE AIRE	CAPITVE AIRE
Model Num	NA	A1-D.250-15D
Serial Num	-	4125456
Num Filters Size 1	-	3
Filter Size 1	-	16X20X2
Num Filters Size 2	-	NA
Filter Size 2	-	NA

Test Data		
	Design	Actual
CFM	1878	1838
SF RPM	1633	1633
Motor RPM	-	1633
RL Voltage	-	213/214/214
RL Amperage	-	2.5/2.4/2.4

Motor Data		
	Design	Actual
Motor MFG	-	TELCO
Frame	-	145T
Horsepower	-	2
Motor Rpm	-	1740
Phase	-	3
Voltage (rated)	-	230/460
Amperage (rated)	-	5.48/2.74
Service Factor	-	1.15

General		
	Design	Actual
Unit free of Damage	-	YES
Curb & Unit Installed Air Tight	-	YES
Fan Rotation Correct	-	YES
Fan Belt Condition	-	NA
Unit Filters Clean	-	[1]

Drive Data		
	Design	Actual
Num of Belts	-	DD
Belt Size	-	DD
Belt Alignment Verified	-	DD

Gas Heat		
	Design	Actual
Gas Type	-	NATURAL GAS
Burner Type	-	DIRECT FIRE
Heater Operates (y/n)	-	YES
Flame Status (pass/fail)	-	PASS
Inlet Air Temp SetPt	-	55
Discharge Air Temp SetPt	-	60
Air Flow Switch SP Actual	-	0.40"

Completed By: Michael McDonnell on 02/24/2022

Notes: [1] UNABLE TO CLEAN FILTERS DUE TO BELOW FREEZING CONDITIONS.

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Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

## System/Unit: FAN - Exhaust

Asset: EF-1

AREA: WOMENS RR

Unit Data		
	Design	Actual
MFG	COOK	COOK
Model Num	GC-168	GEMINI 160 SERIES
Serial Num	-	NL

Test Data		
	Design	Actual
CFM	138	111

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Horsepower	-	16W
Motor Rpm	-	1100
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	0.51

Completed By: Michael McDonnell on 02/24/2022

Notes:

# National TAB

Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

## System/Unit: FAN - Exhaust

Asset: EF-2

AREA: MENS RR

Unit Data		
	Design	Actual
MFG	COOK	COOK
Model Num	GC-168	GEMINI 160 SERIES
Serial Num	-	NL

Test Data		
	Design	Actual
CFM	129	124

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Horsepower	-	16W
Motor Rpm	-	1100
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	0.51

Completed By: Michael McDonnell on 02/24/2022

Notes:

# National TAB

Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

## System/Unit: FAN - Exhaust

Asset: KEF-1

AREA: HD-1-GRIDDLE

Unit Data		
	Design	Actual
<b>MFG</b>	CAPTIVE-AIRE	CAPTIVE-AIRE
<b>Model Num</b>	DU85HFA	DU85HFA
<b>Serial Num</b>	-	4125456
<b>Type</b>	-	UPBLAST
<b>Configuration</b>	-	VERTICAL

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	TELCO GREEN
<b>Frame</b>	-	NL
<b>Horsepower</b>	-	0.75
<b>Motor Rpm</b>	-	1800
<b>Phase</b>	-	1
<b>Voltage (rated)</b>	-	115
<b>Amperage (rated)</b>	-	11.2
<b>Service Factor</b>	-	1.0

Test Data		
	Design	Actual
<b>CFM</b>	1600	1563
<b>Fan RPM</b>	1440	1440
<b>Fan Rotation</b>	-	CCW
<b>Motor RPM</b>	-	1440
<b>System SetPt</b>	-	80%
<b>RL Voltage</b>	-	120
<b>RL Amperage</b>	-	8.8
<b>Total ESP</b>	1.12"	1.08"
<b>Fan Inlet SP</b>	-	-1.08"
<b>Fan Discharge SP</b>	-	ATM

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Notes:

# National TAB

Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

## System/Unit: FAN - Exhaust

Asset: KEF-2

AREA: HD-2-FRYER

Unit Data		
	Design	Actual
<b>MFG</b>	CAPTIVE-AIRE	CAPTIVE-AIRE
<b>Model Num</b>	DU50HFA	DU50HFA
<b>Serial Num</b>	-	4125456
<b>Type</b>	-	UPBLAST
<b>Configuration</b>	-	VERTICAL

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	TELCO GREEN
<b>Frame</b>	-	NL
<b>Horsepower</b>	-	0.5
<b>Motor Rpm</b>	-	1800
<b>Phase</b>	-	1
<b>Voltage (rated)</b>	-	115
<b>Amperage (rated)</b>	-	7.9
<b>Service Factor</b>	-	1.0

Test Data		
	Design	Actual
<b>CFM</b>	775	802
<b>Fan RPM</b>	1080	1080
<b>Fan Rotation</b>	-	CCW
<b>Motor RPM</b>	-	1080
<b>System SetPt</b>	-	60%
<b>RL Voltage</b>	-	122
<b>RL Amperage</b>	-	2.8
<b>Total ESP</b>	0.79"	0.72"
<b>Fan Inlet SP</b>	-	-0.72"
<b>Fan Discharge SP</b>	-	ATM

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Notes:

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Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

## System/Unit: FAN - Exhaust

Asset: KEF-3

AREA: HD-3-DISH

Unit Data		
	Design	Actual
<b>MFG</b>	CAPTIVE-AIRE	CAPTIVE AIRE
<b>Model Num</b>	DU33HFA	DU33HFA
<b>Serial Num</b>	-	4125456
<b>Type</b>	-	UPBLAST
<b>Configuration</b>	-	VERTICAL

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	TELCO GREEN
<b>Frame</b>	-	NL
<b>Horsepower</b>	-	0.3
<b>Motor Rpm</b>	-	1800
<b>Phase</b>	-	1
<b>Voltage (rated)</b>	-	115
<b>Amperage (rated)</b>	-	5.4
<b>Service Factor</b>	-	1.0

Test Data		
	Design	Actual
<b>CFM</b>	525	428
<b>Fan RPM</b>	1026	1026
<b>Fan Rotation</b>	-	CCW
<b>Motor RPM</b>	-	1026
<b>System SetPt</b>	-	57%
<b>RL Voltage</b>	-	122
<b>RL Amperage</b>	-	1.2
<b>Total ESP</b>	-	0.37"
<b>Fan Inlet SP</b>	-	-0.37"
<b>Fan Discharge SP</b>	-	ATM

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Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

System/Unit: COIL - DX

Asset: DXC1

AREA: WALK-IN COOLER

Unit Data		
	Design	Actual
MFG	NA	KOLPAK
Model Num	NA	6111123
Serial Num	-	410225124DW1

General		
	Design	Actual
Evap Coil Clean	-	YES
Evap Coil Fins Straight	-	YES
Evap Coil Free of Frost	-	YES
Condensor Coil Clean	-	YES
Condensor Fins Straight	-	YES
Condensate Drain Installed	-	NA
Crankcase Heaters Operate	-	NA

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Notes:

# National TAB

Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

System/Unit: COIL - DX

Asset: DXC2

AREA: WALK-IN FREEZER

Unit Data		
	Design	Actual
MFG	NA	KOLPAK
Model Num	NA	6111123
Serial Num	-	410225124DW2

General		
	Design	Actual
Evap Coil Clean	-	YES
Evap Coil Fins Straight	-	YES
Evap Coil Free of Frost	-	YES
Condensor Coil Clean	-	YES
Condensor Fins Straight	-	YES
Condensate Drain Installed	-	NA
Crankcase Heaters Operate	-	NA

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Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

System/Unit: COIL - DX

Asset: DXC3

AREA: MEAT COOLER

Unit Data		
	Design	Actual
MFG	NA	DELFIELD
Model Num	NA	4427NP-12M
Serial Num	-	2011152000660

General		
	Design	Actual
Evap Coil Clean	-	YES
Evap Coil Fins Straight	-	YES
Evap Coil Free of Frost	-	YES
Condensor Coil Clean	-	YES
Condensor Fins Straight	-	YES
Condensate Drain Installed	-	YES
Crankcase Heaters Operate	-	NA

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Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

System/Unit: COIL - DX

Asset: DXC4

AREA: MEAT COOLER 2

Unit Data		
	Design	Actual
MFG	NA	DELAFIELD
Model Num	NA	NL
Serial Num	-	NL

General		
	Design	Actual
Evap Coil Clean	-	YES
Evap Coil Fins Straight	-	YES
Evap Coil Free of Frost	-	YES
Condensor Coil Clean	-	YES
Condensor Fins Straight	-	YES
Condensate Drain Installed	-	YES
Crankcase Heaters Operate	-	NA

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Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

System/Unit: COIL - DX

Asset: DXC5

AREA: PREP TABLE 1

Unit Data		
	Design	Actual
MFG	NA	DELFIELD
Model Num	NA	4460NP
Serial Num	-	2011152000316

General		
	Design	Actual
Evap Coil Clean	-	YES
Evap Coil Fins Straight	-	YES
Evap Coil Free of Frost	-	YES
Condensor Coil Clean	-	YES
Condensor Fins Straight	-	YES
Condensate Drain Installed	-	YES
Crankcase Heaters Operate	-	NA

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Notes:

# National TAB

Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

System/Unit: COIL - DX

Asset: DXC7

AREA: FRYER FREEZER

Unit Data		
	Design	Actual
MFG	NA	DELFIELD
Model Num	NA	GBF1P-SH
Serial Num	-	1120680450

General		
	Design	Actual
Evap Coil Clean	-	YES
Evap Coil Fins Straight	-	YES
Evap Coil Free of Frost	-	YES
Condensor Coil Clean	-	YES
Condensor Fins Straight	-	YES
Condensate Drain Installed	-	YES
Crankcase Heaters Operate	-	NA

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Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

System/Unit: COIL - DX

Asset: DXC8

AREA: SUNDAE PREP

Unit Data		
	Design	Actual
MFG	NA	DELFIELD
Model Num	NA	GBR1P-SH
Serial Num	-	1120681301

General		
	Design	Actual
Evap Coil Clean	-	YES
Evap Coil Fins Straight	-	YES
Evap Coil Free of Frost	-	YES
Condensor Coil Clean	-	YES
Condensor Fins Straight	-	YES
Condensate Drain Installed	-	YES
Crankcase Heaters Operate	-	NA

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Project: FREDDY'S - BRIDGETON, MO - RENEW 4FB (4)

System/Unit: COIL - DX

Asset: DXC6

AREA: TOPPINGS

Unit Data		
	Design	Actual
MFG	NA	C.NELSON
Model Num	NA	NA
Serial Num	-	1934301

General		
	Design	Actual
Evap Coil Clean	-	YES
Evap Coil Fins Straight	-	YES
Evap Coil Free of Frost	-	YES
Condensor Coil Clean	-	YES
Condensor Fins Straight	-	YES
Condensate Drain Installed	-	YES
Crankcase Heaters Operate	-	NA

Completed By: Michael McDonnell on 02/24/2022

Notes: