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Owner and all Contractors to check and verify existing dimensions and conditions in the field before starting construction and to notify TriMark of any material or detail changes.

REVISIONS		
DATE	NO.	DESCRIPTION

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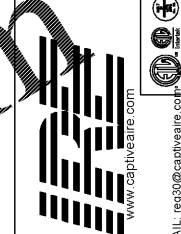
Hardee's
Prince George, VA
BN2016 LD-R

PROJECT NUMBER:	19-101
DATE:	8-6-2019
SCALE:	NTS
DRAWN BY:	AH
APPROVED BY:	RJ

SHEET TITLE:
HOOD MANUFACTURER SHOP DRAWING

SHEET NUMBER:
QF702

REVISIONS	
DESCRIPTION	DATE



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485 BUCKHURST DR., KERNERSVILLE, NC 27284
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HARDEE'S (STAR PROTO 2019)

DATE: 7/23/19
DWG.#: (STAR-2019)
DRAWN BY: LAG
SCALE: NTS
FANS

SHEET NO. 2

EXHAUST FAN INFORMATION - Job#8913772

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	HP.	B.H.P.	#	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SONES
1	OVEN HOOD	NCA8FA	977	0.750	1315	0.500	0.2920	3	208	1.9	484 FPM	96	11.4
2	BROILER HOOD	NCA8FA	660	0.750	1320	0.500	0.1890	3	208	1.9	327 FPM	96	5.2
3	GRIDDLE/FRYER	NCA14FA	1989	0.800	1149	0.750	0.5070	3	208	2.5	629 FPM	122	13.6
5	BATH FAN	SIF10ED	350	0.250	1199	0.250	0.0790	1	115	3.7		62	7.4

MUA FAN INFORMATION - Job#8913772

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP.	RPM	HP.	B.H.P.	#	VOLT	FLA	WEIGHT (LBS.)	SONES
4	OVEN/FRYER	AI-E-36E-G10	G10	AI-E-36E	-	2133	0.550	952	1.000	0.7270	3	208	3.4	644	14.6

ELECTRIC MAKE-UP AIR UNITS

FAN UNIT NO.	TAG	DSGN. KW'S	MAX. KW'S	AMPERAGE	TEMP. RISE	OUTPUT BTU'S	
4	OVEN/FRYER	30	36	208	96.7	45 deg F	122868

FAN OPTIONS

FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1	OVEN HOOD	1 - Grease Box
2	BROILER HOOD	1 - Grease Box
3	GRIDDLE/FRYER	1 - Grease Box
4	OVEN/FRYER	1 - AC Interlock Relay - 24VAC Coil 1 - Motorized Backdraft Damper For AI-D Housing 1 - SIF9-10 - Straight discharge, Square Duct Connection. 1 - SIF9-10 - Inlet - Square Duct Connection
5	BATH FAN	1 - ECM Wiring Package-Exhaust - Manual or 0-10VDC Reference Speed Control (NIDEC Motor) 1 - Hanging Spring Vibration Isolators (Set of 4), For Indoor or Outdoor use with Square Inline fans. (GSA75) 1 - 1 1/2"-BBD Damper

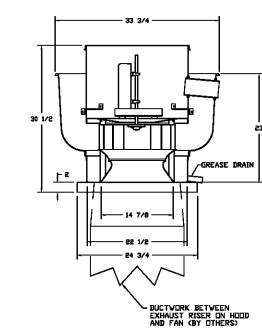
FAN ACCESSORIES

FAN UNIT NO.	TAG	EXHAUST	SUPPLY
		GREASE CLIP, GRABBER WALL MOUNT, SIDE DISCHARGE	GRAVITY DAMPER, MOTORIZED DAMPER, WALL MOUNT
1	OVEN HOOD	YES	
2	BROILER HOOD	YES	
3	GRIDDLE/FRYER	YES	
4	OVEN/FRYER		YES
5	BATH FAN	YES	

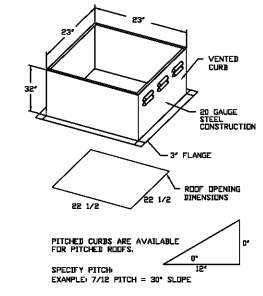
CURB ASSEMBLIES

NO.	DN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	OVEN	42 LBS	Curb	19.500"W x 19.500"L x 32.000"H Vented Hinged
2	# 2	BROILER	42 LBS	Curb	19.500"W x 19.500"L x 32.000"H Vented Hinged
3	# 3	GRIDDLE/FRYER	49 LBS	Curb	23.000"W x 23.000"L x 32.000"H Vented Hinged
4	# 4	BATH	87 LBS	Curb	21.000"W x 71.000"L x 26.000"H Insulated
5	# 4	BATH		Rail	4.000"W x 4.000"L x 48.000"H

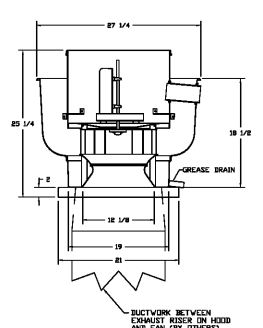
FAN #2 NCA8FA - EXHAUST FAN (OVEN/FRYER)



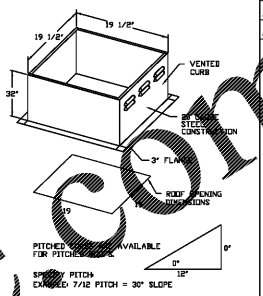
- FEATURES:**
- ROOF MOUNTED FAN
 - RESTAURANT HOOD
 - UL700 AND UL710 AND ILC-8640
 - ANCA SEALS AND AIR CERTIFIED
 - WIRING FROM HOOD TO DISCONNECT SWITCH
 - WEATHERPROOF DISCONNECT
 - HIGH HEAT OPERATION 300°F (440°C)
 - GREASE CLASSIFICATION TESTING
- NORMAL TEMPERATURE TEST:** CONDUIT FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (340°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DETOURING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.
- ABNORMAL FLAME-UP TEST:** CONDUIT FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING UNCLE VAMPS AT 600°F (320°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BEING DAMAGED TO ANY EXTENT THAT WOULD CAUSE AN UNSAFE CONDITION.
- TESTING:** GREASE BOX.



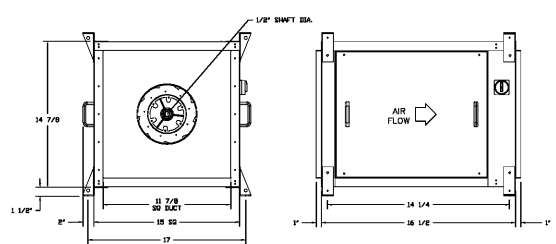
FAN #1 COVER HOOD, BE (OVEN/FRYER) - NCA14FA EXHAUST FAN



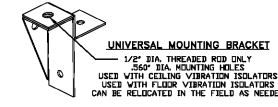
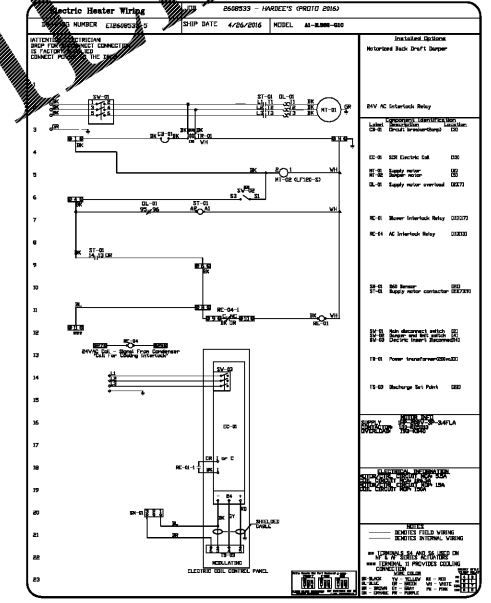
- FEATURES:**
- ROOF MOUNTED FAN
 - RESTAURANT HOOD
 - UL700 AND UL710 AND ILC-8640
 - ANCA SEALS AND AIR CERTIFIED
 - WIRING FROM HOOD TO DISCONNECT SWITCH
 - WEATHERPROOF DISCONNECT
 - HIGH HEAT OPERATION 300°F (440°C)
 - GREASE CLASSIFICATION TESTING
- NORMAL TEMPERATURE TEST:** CONDUIT FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (340°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DETOURING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.
- ABNORMAL FLAME-UP TEST:** CONDUIT FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING UNCLE VAMPS AT 600°F (320°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BEING DAMAGED TO ANY EXTENT THAT WOULD CAUSE AN UNSAFE CONDITION.
- TESTING:** GREASE BOX.



FAN #5 SIF9-10 - EXHAUST FAN (BATH FAN)



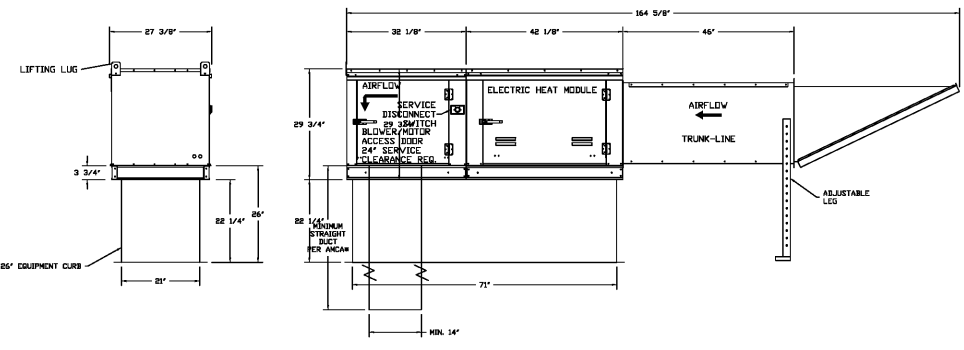
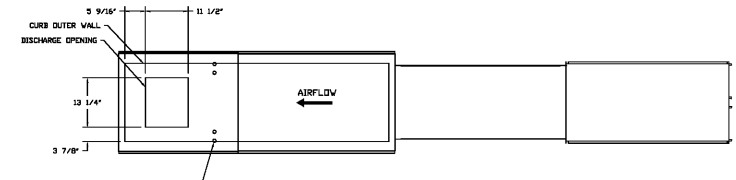
- FEATURES:**
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
 - TWO ACCESS DOORS FOR EASY ACCESS
 - BACKWARD INCLINED NON-OVERLOADING WHEELS
 - UL700 LISTING
 - ANCA AIR & SOUND CERTIFIED
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
 - DISCONNECT SWITCH
- TESTING:** GREASE BOX.



UNIVERSAL MOUNTING BRACKET
1/2" DIA. THREADED ROD ONLY
2" DIA. MOUNTING HOLES
USED WITH CEILING VIBRATION ISOLATORS
USED WITH FLEXIBLE VIBRATION ISOLATORS
CAN BE RELOCATED IN THE FIELD AS NEEDED

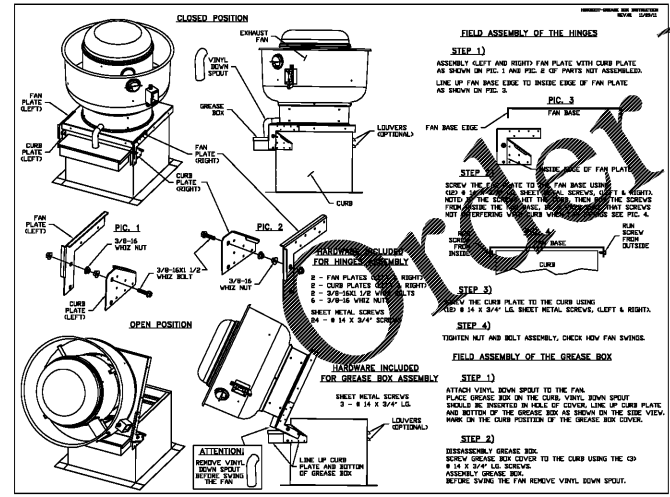
FAN #4 AI-E36E-G10 - HEATER INFORMATION
1. ELECTRIC HEATER MAKE-UP AIR UNIT WITH 24V AC INTERLOCK RELAY
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SUPPLY SIDE HEATER INFORMATION
WINTER TEMPERATURE = 30°F, TEMP. RISE = 44°F.
KW'S CALCULATED OFF STANDARD AIR DENSITY
KW'S AT ALTITUDE OF 60 FT. = 30



CAPTIVE-AIRE HOODS ARE ETL LISTED AND LABELED IN COMPLIANCE WITH

NFPA #96
NSF
UL 710 & ULC710 STANDARDS
E.T.L. LISTED 3054804-001



FOR QUESTIONS, CALL THE
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ROOF OPENING 2" SMALLER THAN CURB DIMENSIONS.

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