

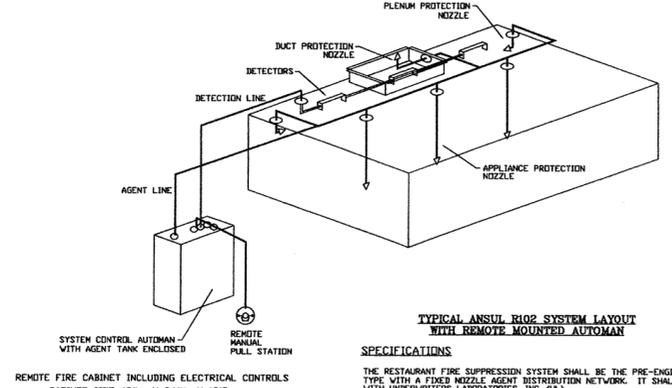
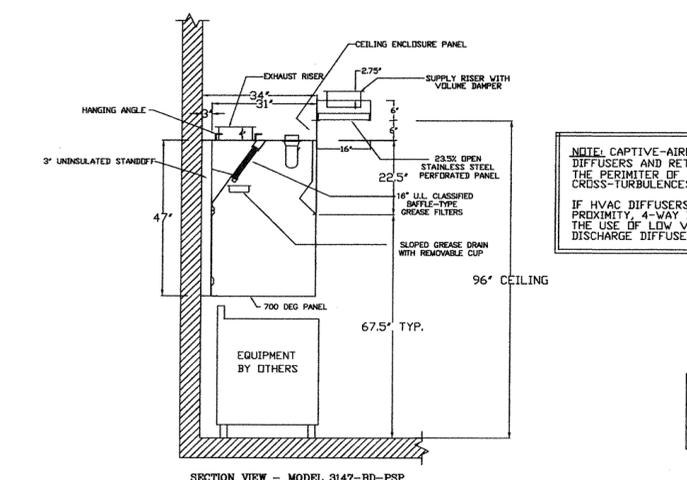
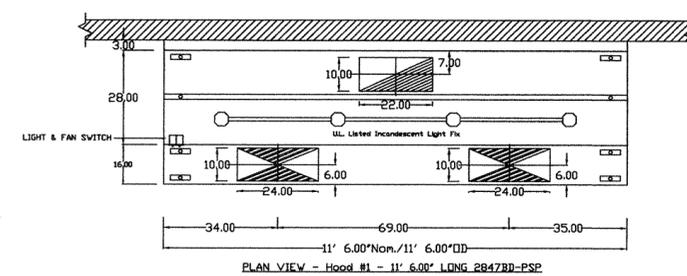
HOOD INFORMATION																
HOOD NO.	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST FAN(S)				SUPPLY FAN(S)				HOOD CONSTRUCTION	END TO ROW	SWITCHES ON HOOD		
1	2847 BD	11' 6.00"OD	300	EXH. CFM	WIDTH	LENS DIA.	S.P.	SUP. CFM	WIDTH	LENS DIA.	S.P.	430 SS Where Exposed	ALDNE	N/A	1 Light	1 Fan
2	166 MISC-PSP	11' 6.00"OD	300	0				1840				430 SS Where Exposed	ALDNE	N/A		

HOOD INFORMATION														
HOOD NO.	TYPE	QTY	HEIGHT	LENGTH	QTY	TYPE	LOCATION	TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	LOCATION	FIRE SYSTEM	HOOD HEIGHT
1	Stainless Steel High E	1	16"	16'	4	Incandescent Light Fix	NO	REMOTE	ANSUL RISE	30/15	2111002		YES	90 LBS.
2		6	16"	20'	4								NO	91 LBS.

PERFORATED SUPPLY PLENUM(S)									
HOOD NO.	POS.	LENGTH	WIDTH	HEIGHT	WIDTH	LENS DIA.	CFM	S.P.	
1	Front	138"	16"	6"	10"	24"	920	0.132"	
2					10"	24"	920	0.132"	

HOOD OPTIONS			
HOOD NO.	OPTION		
1	BACKSPASH	430"OD	High X 138.00" Long 430 SS
1	FIELD WRAPPER	6.00"	High Front, Left, Right
1	BACK STANDOFF	3"	Wide

FAN INFORMATION																			
FAN UNIT NO.	FAN UNIT MODEL #	MODEL	TAG	CFM	S.P.	RPM	HP.	#	VOLT	FLA	BLDWER HOUSING TAG	SUPPLY FAN S.P.	RPM	HP.	#	VOLT	FLA		
1	NCAIBPFA	NCAIBPFA		2300	1.500"	1120	1.500	1	230	10.2	G10	INLINE-IL	1840	0.500"	990	0.750	1	230	5.4
2	INLINE-IGD																		



**SPECIFICATIONS**

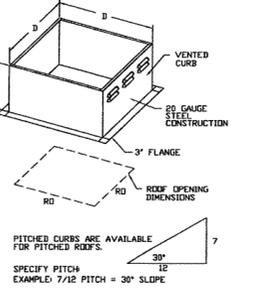
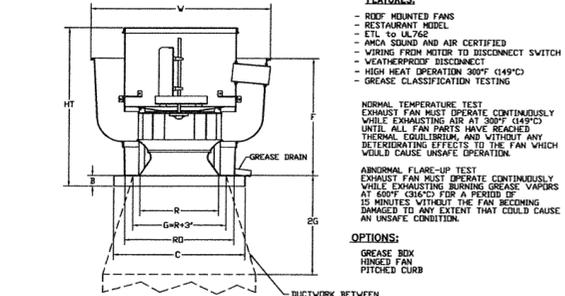
THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NEZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERwriters LABORATORIES, INC. (UL)

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SUPPRESSION OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/LINKAGE ASSEMBLY.

NCAHPFA SERIES UPBLAST EXHAUST FANS (UL762)



NCAHPFA BELT DRIVE CENTRIFUGAL UP-BLAST EXHAUST FANS DIMENSIONAL DATA									
FAN MODEL	HT	V	B	C	F	R	RD	WEIGHT	
NCAIBPFA	33 3/8"	38 7/8"	2"	28"	29 1/2"	18"	24"	195	

**BD Series with PSP Accessory Specification**

The BD series hood with PSP accessory is a low profile, compact hood system. Hood shall have size, shape and performance specified on drawings.

Construction shall be type 430 stainless steel with a #3 or #4 polish where exposed. Individual component construction shall be determined by manufacturer, ETL, and NSF. Construction shall be dependent on the structural application to minimize distortion and other defects. All seams, joints and penetrations of the hood enclosure to its lower outermost perimeter shall be welded in accordance with NFA 96. Hood shall be well type with a minimum of four connections for hanger rods. Connectors shall have 9/16" holes pre-punched in single iron at the factory to allow for hanger rod connection by others.

Ventilator shall be furnished with UL classified stainless steel high efficiency baffle filters, supplied in size and quantity as required by ventilator. The filters shall extend the full length of the hood and the filter panels shall not be more than 6" in width.

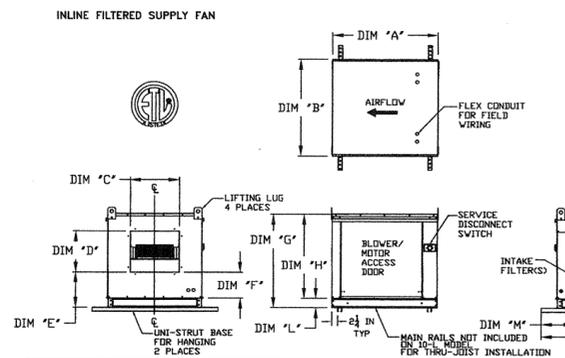
The hood manufacturer shall supply complete computer generated submittal drawings including hood section view(s) and hood plan view(s). These drawings must be available to the engineer, architect and owner for their use in construction, operation and maintenance.

Exhaust duct collar to be 4" high with 1" flange. Duct sizes, CFM and static pressure requirements shall be as shown on drawings. Static pressure requirements shall be precise and accurate; air velocity and volume information shall be accurate within 1-ft increments along the length of the ventilator.

UL incandescent light fixtures and globes shall be installed and pre-wired to a junction box. The light fixtures shall be installed with a minimum of 4" spacing on center and allow up to a 100 watt standard light bulb.

The hood shall have:  
 - A double wall insulated front to eliminate condensation and increase rigidity. The insulation shall be 1" thick, have a flexural modulus of 475 EI, meet UL 181 requirements and be in accordance with NFA 96A and 96B.  
 - An integral baffle to direct grease laden vapors toward the exhaust filter bank.  
 - A built-in wing chase shall be provided for outlets and electrical controls on hood face and shall not penetrate capture the area or require an external chase.  
 - Low velocity make-up air (up to 900 provided through front and side plenums (PSP accessory)).  
 - A sloped grease drain system which shall be an enclosed integral part of the hood back with an exposed, removable x pint grease cup to facilitate cleaning.

The hood shall be ETL Listed as "Exhaust Hood Without Exhaust Damper", NSF Listed and built in accordance with NFA 96. The hood shall be listed for 450°F cooking surfaces at 150 CFM/ft. and for 700°F cooking surfaces at 200 CFM/ft.



UNIT INFORMATION											
BLDWER	FILTER SIZE	BLDWER SIZE	WEIGHT (lbs)	A	B	C	D	E	F	G	H
18"	18"	18"	185	38 1/8"	27 3/8"	13 1/4"	11 1/2"	N/A	8 1/8"	22 1/16"	16 1/8"
24"	24"	24"	260	38 1/8"	27 3/8"	13 1/4"	11 1/2"	13 1/16"	8 1/8"	23 3/4"	16 1/8"
30"	30"	30"	390	40 1/8"	27 3/8"	15 3/4"	13 1/16"	1 1/16"	8 3/8"	24 1/2"	16 1/8"
36"	36"	36"	470	42 1/8"	24 1/8"	18 1/2"	12 5/8"	1 3/8"	8 3/8"	24 1/2"	16 1/8"

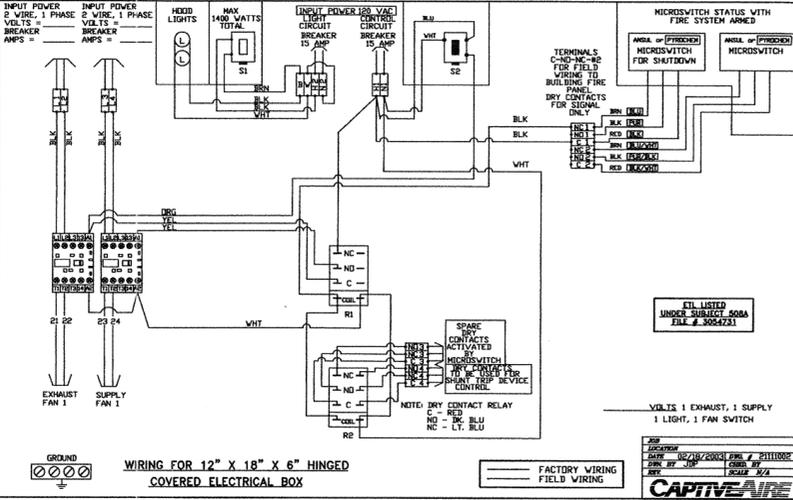
NOTES:  
 1) ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.  
 2) ACCESS DOORS LOCATED ON BOTH SIDES OF UNIT.  
 3) INSULATED CONSTRUCTION.

ELECTRICAL PACKAGES									
NO.	TAG	PACKAGE #	LOCATION	SWITCHES LOCATION	QUANTITY	ROOF TOP STARTERS	OPTION	FANS CONTROLLED	
1	2111002	Wall Mount in SS Box	SS Wall Mount Box	1 Light	1 Fan		Exhaust in Fire	Exhaust	1 1,500 230 10.2
								Supply	1 0,750 230 5.4

HOOD SHALL HAVE A PRE-WIRED ELECTRICAL CONTROL PACKAGE LOCATED IN THE UTILITY CABINET TO OPERATE THE FAN PACKAGE. WIRING OPTION SHALL INCLUDE A STAINLESS STEEL SWITCH PANEL CONSISTING OF ONE LIGHT SWITCH AND ONE RED-LIGHTED FAN SWITCH FOR EACH SET OF INTERLOCKED FANS, A HINGED COVERED JUNCTION BOX WITH RELAY FOR SUPPLY SHUTDOWN, A NUMBERED INPUT/OUTPUT TERMINAL STRIP, AND A WIRING DIAGRAM. ADDITIONALLY, THE MICROSWITCH FOR ANSUL SHUTDOWN SHALL BE PRE-WIRED TO J-BOX.

A STARTER/OVERLOAD ASSEMBLY FOR EACH FAN WILL BE LOCATED IN THE UTILITY CABINET. ONE ELECTRICAL CONDUIT DROP FROM THE FAN PACKAGE SHALL BE CONNECTED TO THE NUMBERED TERMINAL STRIP. CONDUIT BETWEEN HOOD AND FAN PACKAGE SHALL BE SUPPLIED BY THE ELECTRICAL CONTRACTOR.

**NOTE: IF WALL MOUNT PREWIRE, OR FIELD INSTALLED FIRE SYSTEM MICROSWITCH TERMINALS SHOWING FACTORY WIRING MUST BE FIELD WIRED**



SCALE: NDNE

SHEET TITLE:  
**KITCHEN EQUIPMENT  
 SPECIAL CONDITION PLAN**

**HEIFER INTERNATIONAL  
 PHASE 2 BUILDING  
 LITTLE ROCK, AR**

SHEET NO. <b>K5</b>
SHEET 5 OF 5
PROJECT NO. HEIF01
DATE 03/13/08
REVISION 02/02/09

DRAWN BY: MT