

**HOOD INFORMATION - Job#2733739**

HOOD NO.	TAG	MODEL	LENGTH	MAX COOKING TEMP.	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S)					HOOD CONSTRUCTION	HOOD CONFIG.		
						WIDTH	LENG.	HEIGHT	DIA.	CFM		S.P.	END TO END	ROW
1		3650 BD-2	6' 0.00"	450 Deg.	900			4"	10"	900	-0.638"	430 SS Where Exposed	ALONE	ALONE

**HOOD INFORMATION**

HOOD NO.	TAG	TYPE	FILTER(S)		EFFICIENCY @ 9 MICRONS		QTY.	LIGHT(S)		WIRE GUARD	LOCATION	SIZE	UTILITY CABINET(S)		ELECTRICAL	SWITCHES	FIRE SYSTEM PIPING	HOOD HANGING WTGHT
			QTY.	HEIGHT	LENGTH	QTY.		TYPE	FIRE SYSTEM				SIZE	MODEL #				
1		Captrate Solo Filter	4	16"	16"	93% See Filter Spec.	3		Screw In Compact	NO							YES	239 LBS

**HOOD OPTIONS**

HOOD NO.	TAG	OPTION
1		FIELD WRAPPER 18.00" High Front, Right BACKSPASH 61.00" High X 72.00" Long 430 SS Vertical RIGHT QUARTER END PANEL 26" Top Width, 0" Bottom Width, 26" High 430 SS LEFT QUARTER END PANEL 26" Top Width, 0" Bottom Width, 26" High 430 SS

**Fire System Information - Job#2733739**

FIRE SYSTEM NO.	Tag	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		Ansul R102	3.0	7	Wall Mount Left	N/A

**EXHAUST FAN INFORMATION - Job#2733739**

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SONES
1		DU50HFA	900	1.100	1483	0.500	0.3650	1	115	8.4	65	15.6

**FAN OPTIONS**

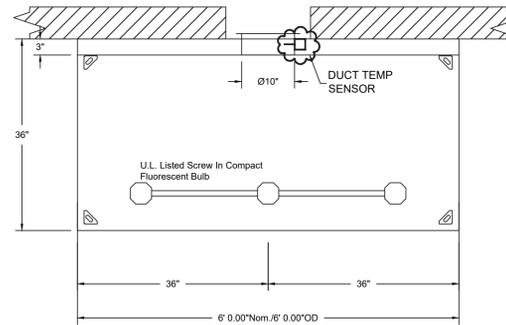
FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1		1 - Grease Box

**CURB ASSEMBLIES**

NO.	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	31 LBS	Curb	19.500"W x 19.500"L x 20.000"H Vented Hinged

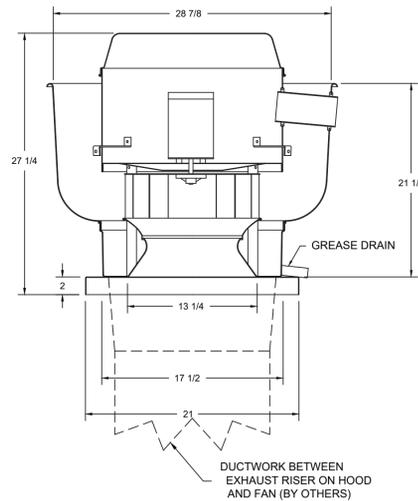
**VERIFY CEILING HEIGHT**

Height required to verify hood will fit and to size the enclosure panels (wrappers)



PLAN VIEW - Hood #1  
6' 0.00" LONG 3650BD-2

**FAN #1 DU50HFA - EXHAUST FAN**



**FEATURES:**

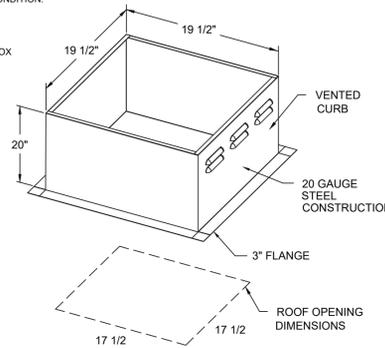
- DIRECT DRIVE CONSTRUCTION (NO BELT/SPLUFFERS)
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

**NORMAL TEMPERATURE TEST**  
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETEIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

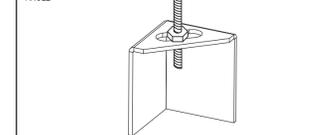
**ABNORMAL FLARE-UP TEST**  
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

**OPTIONS**

- GREASE BOX



1/2" DIA. ALL THREAD ROD CONNECTED TO ROOF JOIST THROUGH ANOTHER HANGING ANGLE



\*ROD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR HANGING ANGLE IS PRE-FINISHED AT FACTORY

**ND-2 HANGING ANGLE DETAIL**

HOOD STYLE	DIM FROM REAR	DIM FROM FRONT (24"H)	DIM FROM FRONT (30"H)
CANOPY ND2	4.166"	2.246"	2.246"
ND2-PSP-F	4.166"	2.246"	2.246"
BACKSHELF 2847BD	2.00"	14.25"	-
VHB/VHB-G	36"X36"	42"X42"	48"X48"
FRONT/BACK DIMS BY SIZE	2.246"	2.246"	2.246"

**HANGING ANGLE LOCATIONS**

EXHAUST CFM=LENGTH OF HOOD X CFM/LIN.FT. (LOAD)  
SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED  
TOTAL DUCT AREA=144 X CFM\*(\*)  
DUCT LENGTH= TOTAL DUCT AREA / DUCT DEPTH

**CALCULATIONS UTILIZED**

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:

ETL LISTED  
#3054804-001  
#3054804-002  
Listed under ETL File number 3054804-001/002

UL LISTED  
STANDARD 710

INTERTEK

BUILT IN ACCORDANCE WITH NFPA 96-16

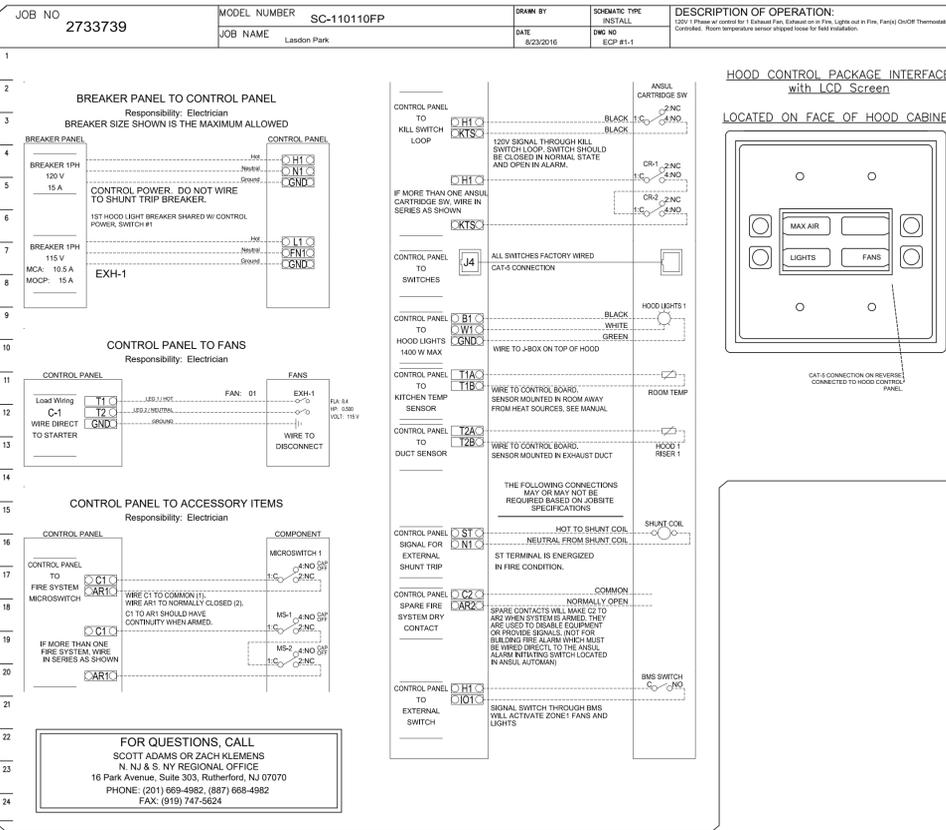
**BUILDING CODES**

MATERIAL	CLEARANCE REDUCTION SYSTEM
NON-COMBUSTIBLE	NONE REQUIRED
LIMITED-COMBUSTIBLE	3" UNINSULATED STANDOFF
COMBUSTIBLE	1" INSULATED STANDOFF

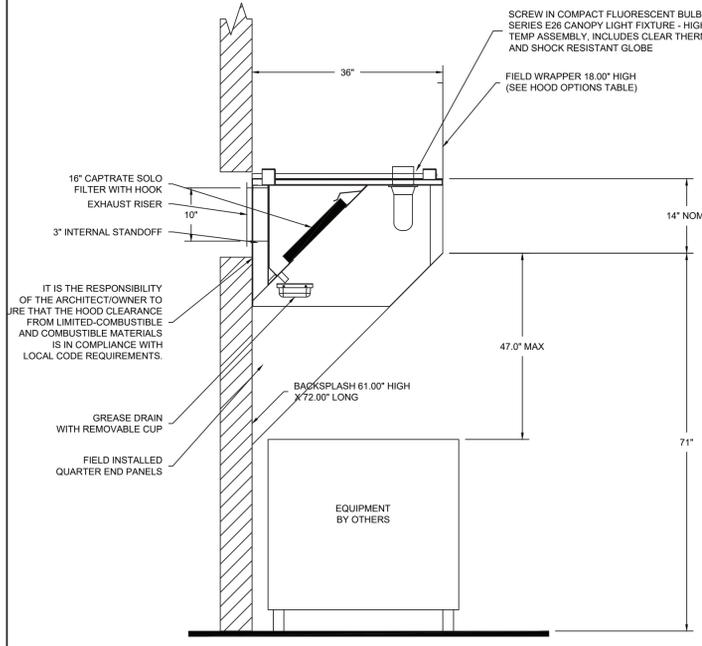
**CLEARANCE TO COMBUSTIBLES**

**ELECTRICAL PACKAGES - Job#2733739**

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	Ø	H.P.	VOLTI	FLA
1		SC-110110FP	Wall Mount In SS Box	SS Wall Mount Box	1 Fan	Smart Controls Thermostatic Control	Exhaust	1	0.500	115	8.4



**FOR QUESTIONS, CALL**  
SCOTT ADAMS OR ZACH KLEMENS  
N. NJ & S. NY REGIONAL OFFICE  
16 Park Avenue, Suite 303, Rutherford, NJ 07070  
PHONE: (201) 669-4982, (887) 668-4982  
FAX: (919) 747-5624



SECTION VIEW - MODEL 3650BD-2

**FIRE SUPPRESSION SYSTEM SPECIFICATIONS AND NOTES**

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

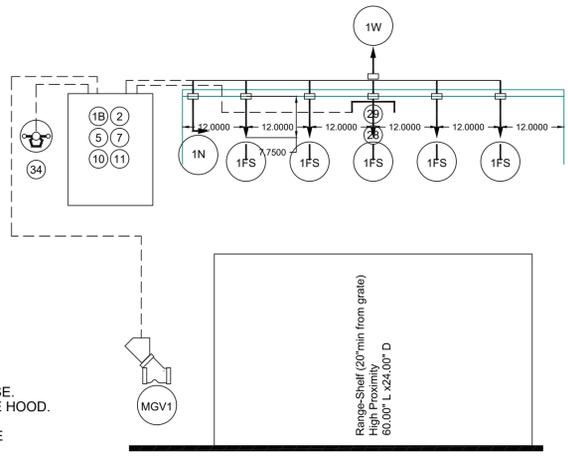
THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT 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.

**NOTES**

- FIELD PIPE DROPS AS SHOWN
- SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELIVING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.
- IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS



**FACTORY PIPING**

**FIELD PIPING**

**LEGEND - FIRE CABINET ANSUL SYSTEM**

- 1B 3 GALLON TANK
- 3 OEM REGULATED RELEASE
- 5 ANSULX LIQUID AGENT (3 GAL.)
- 7 CARTRIDGE (101-20)
- 10 TEST LINK
- 11 DOUBLE MICROSCHWITCH
- 1W NOZZLE ASSEMBLY (419336)
- 1F NOZZLE ASSEMBLY (419333)
- 1N NOZZLE ASSEMBLY (419335)
- 28 DETECTOR BRACKET
- 29 LOW TEMP FUSIBLE LINK
- MGV MECHANICAL GAS VALVE
- 34 REMOTE MANUAL PULL STATION
- S SWIVEL ADAPTOR

REGISTERED ARCHITECT  
STEVEN R. LARROCA  
STATE OF NEW YORK  
14457

LA ROCCA GREENE ARCHITECTS, LLC  
22 PURCHASE STREET  
RYE, NEW YORK 10580

OLA CONSULTING ENGINEERS  
50 BROADWAY 2ND FLOOR  
HAWTHORNE, NY 10532

ENVIRONMENTAL MAINTENANCE CONTRACTORS  
5 ANDERSON LANE  
GOLDEN BRIDGE, NY 10526

WATSKY ASSOCIATES  
ROOF CONSULTANTS  
20 MADISON AVENUE  
VALHALLA, NY 10595

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	11/6/20			100% SUBMISSION

RECORD DRAWING CERTIFICATION

AS BUILT - CHANGES AS NOTED  
AS BUILT - NO CHANGES

CONTRACTOR: WESTCHESTER COUNTY, NEW YORK  
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  
DIVISION OF ENGINEERING  
LASDON PARK  
MAIN HOUSE RENOVATIONS

PROJECT COORDINATOR: WATSKY ASSOCIATES  
ROOF CONSULTANTS  
20 MADISON AVENUE  
VALHALLA, NY 10595

CONTRACT NUMBER: 16-529  
SHEET NUMBER: K1  
SHEET NO. 72 OF 72

SCALE: DATE: 11/06/20  
DPW FILE NO. 91-05-E-146-0  
REV. NO.