

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

BUILDING DEPARTMENT

PERMIT

Permit Number: 070863

Please Read Application And Notes, If Any, Attached

This is to certify that 19 SOUTH STREET LLC / B...
has permission to Replace existing hood fans with larger fans
AT 608 CONGRESS ST

PERMIT ISSUED
SEP - 6 2007

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission is procured before this building or part thereof is altered or closed-in. 24 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS
Fire Dept. Aleg Cass
Health Dept. _____
Appeal Board _____
Other _____
Department Name

James Bonke 9/5/07
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

SEP 6 2007

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 07-0863	Issue Date:	CBL: 039 A009001
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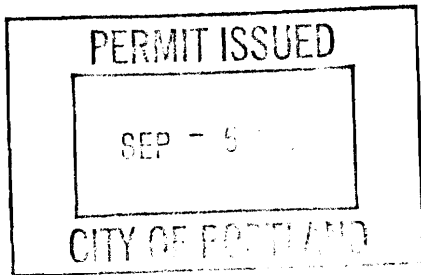
Location of Construction: 608 CONGRESS ST	Owner Name: 19 SOUTH STREET LLC	Owner Address: PO BOX 15430	Phone:
Business Name: Green Elephant	Contractor Name: Bourgoin & Sons	Contractor Address: 123 Davis Road Durham	Phone: 2077491878
Lessee/Buyer's Name	Phone:	Permit Type: Hood Systems, Commerical	Zone: B-3

Past Use: Commercial - Restaurant	Proposed Use: Commercial - Restaurant - "Green Elephant" Replace existing hood fans w/ larger fans <i>New system, TYPE 1 Hood</i>	Permit Fee:	Cost of Work: \$3,500.00	CEO District: 2
Proposed Project Description: Replace existing hood fans w/ larger fans <i>New Type 1 Hood Systems</i>		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>Entire system To NFPA 96</i>	INSPECTION: Use Group: <i>A2</i> Type: <i>HOOD</i> <i>IMC-2003</i> Signature: <i>AMB 9/5/07</i>	

Signature: <i>Greg Cass</i>		Signature: <i>AMB 9/5/07</i>	
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) <i>yes</i>			
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied			
Signature:		Date:	

Permit Taken By: Idobson	Date Applied For: 07/17/2007	Zoning Approval	
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<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.. 	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>7/25/07 AMB</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied <i>AMB</i> Date:
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CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

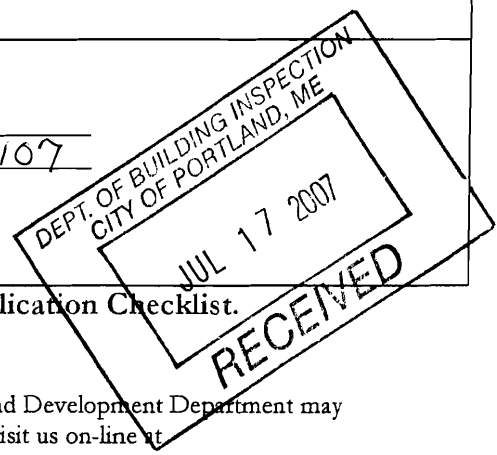
SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE



General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>608 CONGRESS ST.</u>		
Total Square Footage of Proposed Structure		Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>39 A 9</u>		Owner: <u>19 South St. LLC</u> <u>BOB</u>
Lessee/Buyer's Name (If Applicable) <u>Green Elephant</u> <u>608 Congress St</u> <u>Port ME 04101</u>		Applicant name, address & telephone: <u>Blue Cold Dist</u> <u>323 PINE POINT RD</u> <u>SCARBOROUGH, ME</u>
Current legal use (i.e. single family) <u>Restaurant</u>		Cost Of Work: \$ <u>3500.00</u> Fee: \$ <u>60.00</u> C of O Fee: \$ _____
If vacant, what was the previous use? _____		
Proposed Specific use: _____		
Is property part of a subdivision? _____ If yes, please name _____		
Project description: <u>Replace fans only</u> <u>Replace existing hood fans</u> <u>w/ large fans.</u>		
Contractor's name, address & telephone: <u>BOURGONNE + SONS</u>		
Who should we contact when the permit is ready: <u>Shelley</u>		
Mailing address: <u>323 Pine Point</u> <u>Scarborough, ME 04074</u>		Phone: <u>885-0107</u>



Please submit all of the information outlined in the Commercial Application Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at www.portlandmaine.gov, stop by the Building Inspections office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <u>Shelley Lee</u>	Date: <u>7-17-07</u>
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This is not a permit; you may not commence ANY work until the permit is issued.

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 07-0863	Date Applied For: 07/17/2007	CBL: 039 A009001
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Business Name: Green Elephant	Contractor Name: Bourgoin & Sons	Contractor Address: 123 Davis Road Durham	Phone (207) 749-1878
Lessee/Buyer's Name	Phone:	Permit Type: Hood Systems, Commerical	

Proposed Use: Commercial - Restaurant - "Green Elephant" New Type 1 hood system	Proposed Project Description: New Type 1 Hood System for restaurant
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Dept: Zoning	Status: Approved	Reviewer: Ann Machado	Approval Date: 07/25/2007	Note:	Ok to Issue: <input checked="" type="checkbox"/>
Dept: Building	Status: Approved with Conditions	Reviewer: Jeanine Bourke	Approval Date: 09/05/2007	Note: 1) Electrical permits are required 2) The Hood shall be installed per IMC 2003 and NFPA 96 This permit is approved based on the plans submitted and updated for reductions in the cleaances based on the application of a UL approved fire wrap or equivalent assembly per code.	Ok to Issue: <input checked="" type="checkbox"/>
Dept: Fire	Status: Approved with Conditions	Reviewer: Capt Greg Cass	Approval Date: 08/01/2007	Note: 1) The entire hoos system shall comply with NFPA 96. A compliance letter is required.	Ok to Issue: <input checked="" type="checkbox"/>

Comments: 8/21/2007-jmb: Returned call to Shelley about permit status 8/21/2007-jmb: Left voicemail w/Dan at Borgoin about hood to code and additional details 8/22/2007-jmb: Shelley and Dan called, they will submit details on the code compliant hood installation 8/28/2007-jmb: Received new plans from Blue Cold for review of full system details, notified of additional costs
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PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Lee Urban- Director of Planning and Development
Michael J. Nugent- Inspections Division Director

Kitchen Exhaust System Checklist and Code Provisions

Dear Applicant,

The following is a checklist to assist you in filing for a permit for a Kitchen Exhaust system. The applicable Mechanical Code provisions have also been attached. Please complete this and submit job specific construction documents that demonstrate compliance with the attached information.

39A9

Type of System:

Type I X Type II _____

(Type I systems are systems that vent fryers, grills, broilers, ovens or woks. Type II systems are systems that vent steamers and other non grease producing appliances)

Type of Materials:

Is the hood Stainless steel or other type of steel? EXISTING _____ If Other, what Type? _____

Is the duct work Stainless steel or other type of steel? EXISTING _____ If Other, what type? _____

Thickness of the steel for the hood _____

Thickness of the duct for the hood _____

Type of Hood and Duct supports EXISTING _____

Type of seams and Joints _____

Grease Gutters provided? NO

Hood Clearance from Combustibles materials

Duct Clearance from Combustibles materials

Vibration Isolation System: NONE

Air Velocity within the duct system 5225 CFM @ -1.5 WC

Grease accumulation prevention system NONE

Cleanouts NONE

Grease Duct enclosure NONE

Exhaust Termination ROOF

Fire Suppression system EXISTING

Exhaust fan mounting and clearance from the roof or wall 10'

Exhaust fan distance from other vents or openings 10'

Exhaust fan height above adjoining grade 16'

Hood Specs

Style of hood N/A

Type of Filter: N/A

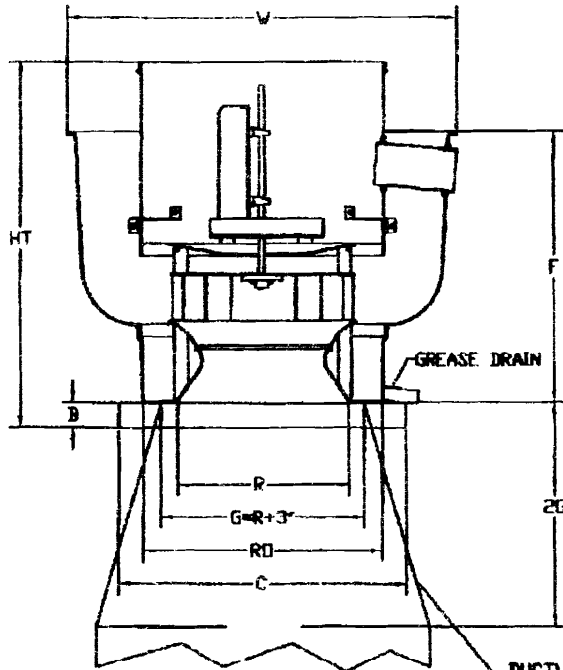
Height of filter above nearest cooking surface:

Capacity of hood in CFM

Make up Air system description and capacity NONE

NCAHPFA SERIES UPBLAST EXHAUST FANS (UL762)

NCAHPFA-UL762
REV.05 02/21/2005



FEATURES:

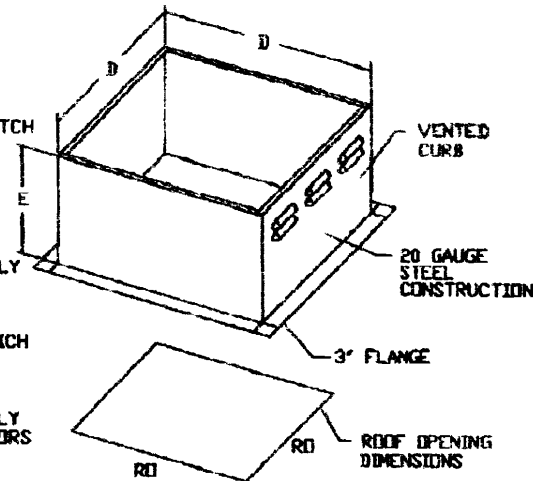
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL762
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

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 DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

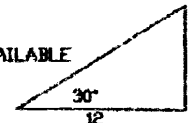
ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS:

- GREASE RISK
- HINGED FAN
- PITCHED CURB



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.



SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE

CURB DIMENSIONAL DATA

FAN MODEL	D	E
NCA24HPFA	31 1/2	20

NCAHPFA BELT DRIVE CENTRIFUGAL UP-BLAST EXHAUST FANS DIMENSIONAL DATA

FAN MODEL	HT	V	D	C	F	R	RD	WEIGHT LB
NCA24HPFA	37 1/2	43 3/8	2	33	30 5/8	23 7/8	28	270

DUCTWORK BETWEEN EXHAUST RISER ON HOOD AND FAN (BY OTHERS)

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

SIGNATURE _____

Your Title _____ Date _____



JOB Portland	
LOCATION	
DATE 7/17/2007	JOB # 628666
DWG # Portland	DRAWN BY BFC
REV. 1.00	SCALE 8.5" x 11"

P.2
 JUL 17 2007 1:33PM HP LASERJET FAX

FAN INFORMATION

FAN UNIT NO.	FAN UNIT MODEL #	EXHAUST FAN										SUPPLY FAN								
		MODEL	TAG	CFM	S.P.	RPM	HP.	#	VOLT	FLA	BLOWER	HOUSING	TAG	CFM	S.P.	RPM	HP.	#	VOLT	FLA
1	NCA24HPFA	NCA24HPFA		5225	- 1.500"	1093	3.000	1	230	17.0										
2	NSAU2-G15										G15	NSAU2HI		4700	0.500"	689	2.000	1	230	12.5

FAN OPTIONS

FAN NO.	OPTION (Qty. - Descr.)
1	1 - Grease Box
2	1 - Gravity Backdraft Damper for Size 2 Housing

CURB ASSEMBLIES

NO.	ON FAN	ITEM	SIZE
1	# 1	Curb	31.500"W x 31.500"L x 20.000"H Pitched Vented Hinged
2	# 2	Curb	32.500"W x 32.500"L x 14.000"H Pitched

ROOF PITCH FOR CURBS MUST BE SPECIFIED PRIOR TO RELEASING ORDER
 ___:12

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

SIGNATURE _____

Your Title _____ Date _____

	JOB Portland	
	LOCATION	
	DATE 7/17/2007	JOB # 628666
	DWG # Portland	DRAWN BY BFC
	REV. 1.00	SCALE 8.5' x 11'

Grease Gutters provided? yes

Hood Clearance from Combustibles materials 18", if within 18" will have 1" air space with 1" min wool face with 24ga. both sides

Duct Clearance from Combustibles materials 18" or wrap with 3M fire barrier grease duct wrap zero clearance

Vibration Isolation System: N/A

Air Velocity within the duct system 2239 ft. per minute

Grease accumulation prevention system grease cups

Cleanouts In each 90 degree elbow and every 10' 2100 degree

Grease Duct enclosure Inside 3M fire barrier within 18" combustible

Exhaust Termination roof line

Fire Suppression system existing

Exhaust fan mounting and clearance from the roof or wall 40" or 10' from openings or walls

Exhaust fan distance from other vents or openings 10'

Exhaust fan height above adjoining grade 24'

Hood Specs

Style of hood Canopy type I

Type of Filter: Aluminum baffle with handles

Height of filter above nearest cooking surface: 36"

Capacity of hood in CFM 5225

Make up Air system description and capacity gas fired heated make-up air system to be vented outside in each end of hood 4560 CFM

HOOD INFORMATION

HOOD NO.	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM					SUPPLY PLENUM					HOOD CONSTRUCTION	HOOD CONFIG.	
				TOTAL EXH. CFM	WIDTH	LENG.	DIA.	CFM	S.P.	TOTAL SUP. CFM	WIDTH	LENG.	DIA.		CFM	S.P.
1	4818 SND-2-PSPP	9' 6.00"Nom. 9' 6.00"LD	600 Deg.	2850	10"	27"		2850	-0.627"	2280				430 SS 100%	LEFT	N/A
2	4818 SND-2-PSPP	9' 6.00"Nom. 9' 6.00"LD	600 Deg.	2850	10"	27"		2850	-0.627"	2280				430 SS 100%	RIGHT	N/A

HOOD INFORMATION

HOOD NO.	FILTER(S)				LIGHT(S)			UTILITY CABINET(S)					FIRE SYSTEM PIPING	HOOD WEIGHT	
	TYPE	QTY	HEIGHT	LENGTH	QTY	TYPE	WIRE GUARD	LOCATION	FIRE SYSTEM		ELECTRICAL	SWITCHES			
									TYPE	SIZE	MODEL #	QUANTITY	LOCATION		
1	ALUM. Baffle w/ Handles	2	16"	16"	3	Incandescent Light	NO							NO	484 LBS.
		4	16"	20"											
2	ALUM. Baffle w/ Handles	2	16"	16"	3	Incandescent Light	NO							NO	404 LBS.
		4	16"	20"											

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	POS.	LENGTH	WIDTH	HEIGHT	RISER(S)				
					WIDTH	LENG.	DIA.	CFM	S.P.
1	Front	114"	16"	6"	10"	28"		1140	0.194"
					10"	28"		1140	0.194"
2	Front	114"	16"	6"	10"	28"		1140	0.194"
					10"	28"		1140	0.194"

CUSTOMER APPROVAL TO MANUFACTURE:


Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

SIGNATURE *Paul R...*

Your Title _____ Date _____

	JOB Green Elephant - Heated MUA	
	LOCATION	
	DATE 8/27/2007	JOB # 644779
	DWG # GreenElephant	DRAWN BY BFC
REV. 1.00	SCALE 8.5' x 11'	

THE HOOD MAY BE INSTALLED WITH A 0" HIGH CLEARANCE TO COMBUSTIBLE MATERIALS IF CONSTRUCTED BY ONE OF THE FOLLOWING METHODS:

- 3" UNINSULATED SIDING
- 1" INSULATED SIDING
- 1" INSULATED BACKFLASH
- THICK RETURN SUPPLY PLUMB

TABLE 1

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

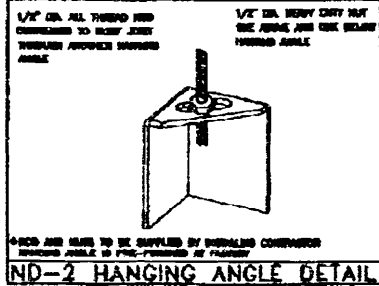


NFPA #96
NSF
UL 710 & ULC710 STANDARDS
E.T.L. LISTED 3054804-001

1. ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTOR.
2. ALL PLUMBING "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTOR.
3. ALL ASSOCIATED HANGER MATERIALS BY INSTALLING CONTRACTOR.
4. 8" LONG FACTORY LOCKED AND WELDED HANGER BRACKETS AS SHOWN ON PLANS.
5. ALL CONNECTIONS FROM CAPTIVE-AIRE DUCT PER THE PLANS BY MECHANICAL CONTRACTOR.
6. ALL LAMPS SHOWN INSTALLED BY CAPTIVE-AIRE, ARE FACTORY PREWIRED FOR THE PLANS. INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES BY ELECTRICAL CONTRACTOR.
7. LAMPS FOR LIGHT PROVIDED BY INSTALLING CONTRACTOR.
8. SEISMIC REQUIREMENTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
9. INSTALLING CONTRACTOR ASSUME ALL RELATED RESPONSIBILITY FOR VERIFICATION OF DIMENSIONAL DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTEGRATION, AND COMPLETION OF CODE REQUIREMENTS IN EFFECT PRIOR TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SERIAL.
10. SIGNED AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE RECEIVED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.
11. NOMINAL HOOD DIMENSIONS AS SHOWN ON DRAWINGS.

GENERAL NOTES

IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS



CALCULATIONS UTILIZED

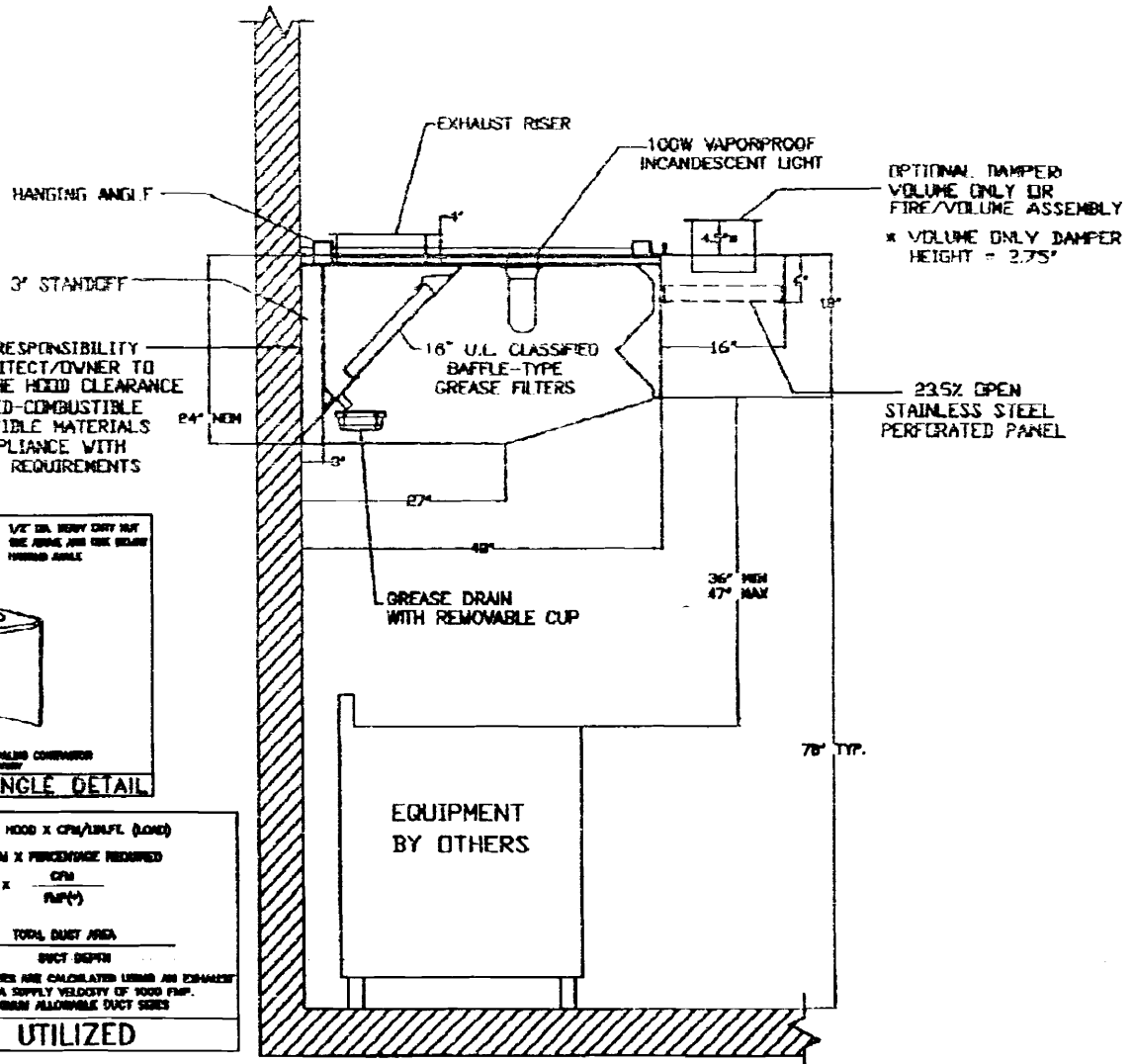
EXHAUST CFM = LENGTH OF HOOD X CFM/LINEAL FOOT (LOAD)

SUPPLY CFM = EXHAUST CFM X PERCENTAGE REQUIRED

$$\text{TOTAL DUCT AREA} = \frac{\text{CFM}}{\text{FPM}(\pm)}$$

DUCT LENGTH = $\frac{\text{TOTAL DUCT AREA}}{\text{DUCT DEPTH}}$

1) CAPTIVE-AIRE VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1500-2000 FPM AND A SUPPLY VELOCITY OF 1000 FPM. PLEASE CONSULT FACTORY FOR MAXIMUM ALLOWABLE DUCT SIZES



SECTION VIEW - MODEL 4818-SND-2 with PSP Accessory

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

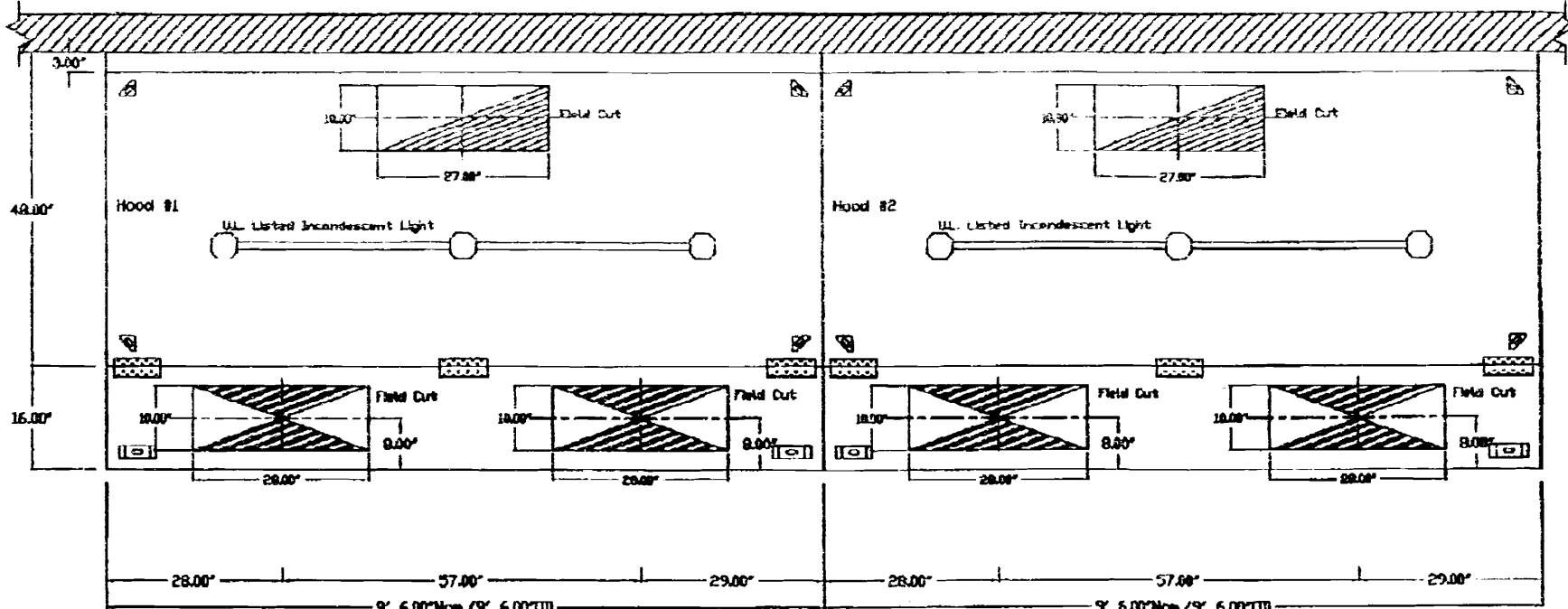
Approved with ND Exception Taken

Revise and Resubmit

SIGNATURE *[Signature]*

Your Title _____ Note _____

CAPTIVE-AIRE		JOB Green Elephant - Heated MUA	
		LOCATION	
DATE 8/27/2007	JOB # 644779		
DWG # GreenElephant	DRAWN BY BFC		
REV. 1.00	SCALE 8.5' x 11'		



PLAN VIEW - Hood #1 - 9' 6.00" LONG 4818SND-2-PSP-F

PLAN VIEW - Hood #2 - 9' 6.00" LONG 4818SND-2-PSP-F

CUSTOMER APPROVAL TO MANUFACTURE:

- Approved as Noted
- Approved with MD Exception Taken
- Revise and Resubmit

SIGNATURE *David P. ...*
 Your Title _____ Date _____



JOB Green Elephant - Heated MUA	
LOCATION	
DATE 8/27/2007	JOB # 644779
DWG # GreenElephant	DRAWN BY BFC
REV. 1.00	SCALE 8.5' x 11'

FAN INFORMATION

FAN UNIT NO.	FAN UNIT MODEL #	EXHAUST FAN										SUPPLY FAN									
		MODEL	TAG	CFM	S.P.	RPM	H.P.	#	VOLT	FLA	BLOWER	HOUSING	TAG	CFM	S.P.	RPM	H.P.	#	VOLT	FLA	
1	A2-D500-G15											G15	A2-D500		4560	0.500"	1002	5.000	1	230	24.6
2	NCA24HPFA	NCA24HPFA		5225	1.500"	1093	3.000	1	230	17.0											

FAN OPTIONS

FAN NO.	OPTION (Qty. - Descr.)
1	1 - Motorized Backdraft Damper For A2-D Housing
	1 - Pressure Gauge, 0-35"
2	1 - Grease Box

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO.	BTU's	TEMP. RISE	GAS TYPE
1	404654	85 deg F	Natural

CURB ASSEMBLIES

NO.	IN FAN	ITEM	SIZE
1	# 1	Curb	31.00"W x 79.00"L x 20.00"H Pitched Along Width, Right Insulated

ROOF PITCH FOR CURB MUST BE SPECIFIED PRIOR TO RELEASING ORDER
Flat: 12

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

Approved with NO Exception Taken

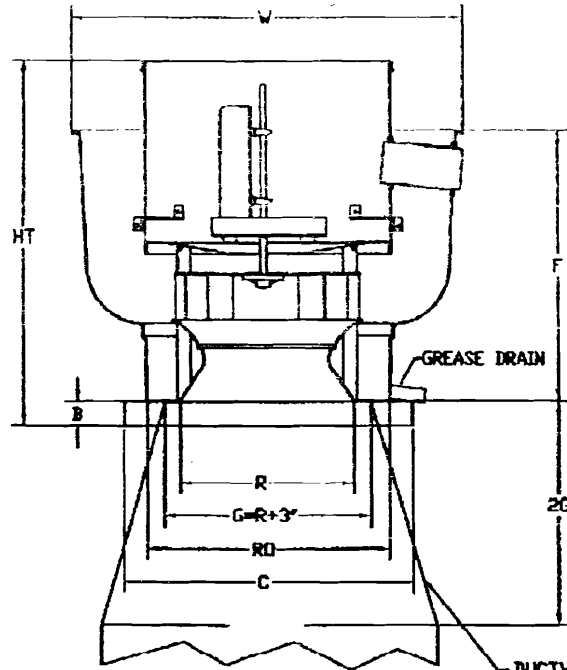
Revise and Resubmit

SIGNATURE *[Signature]*

Your Title _____ Date _____

CAPTIVE AIR	JOB Green Elephant - Heated MUA	
	LOCATION	
	DATE 8/27/2007	JOB # 644779
	DWG # GreenElephant	DRAWN BY BFC
	REV. 1.00	SCALE 8.5' x 11'

NCAHPFA SERIES UPBLAST EXHAUST FANS (UL762)



FEATURES:

- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL762
- AHCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- 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 DETERIORATING 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

NCAHPFA BELT DRIVE CENTRIFUGAL UP-BLAST EXHAUST FANS DIMENSIONAL DATA

FAN MODEL	HT	V	B	C	F	R	RD	WEIGHT LB
NCA24HPFA	37 1/2	43 3/8	2	33	30 5/8	23 7/8	28	270

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

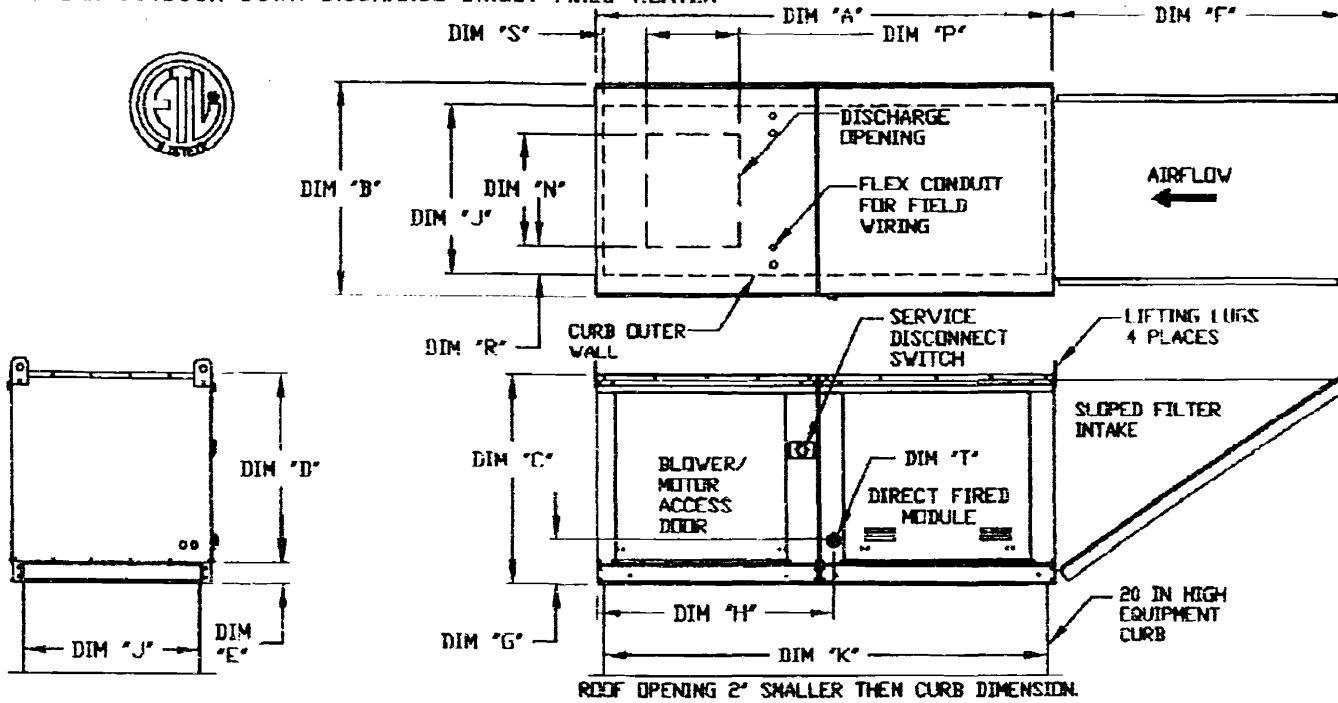
SIGNATURE *Don Murray*

Your Title _____ Date _____

JOB Green Elephant - Heated MUA	
LOCATION	
DATE 8/27/2007	JOB # 644779
DWG # GreenElephant	DRAWN BY BFC
REV. 1.00	SCALE 8.5' x 11'

MODULAR OUTDOOR DOWN DISCHARGE DIRECT FIRED HEATER

REV. 1/3/05



ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	WEIGHT	UNIT DIMENSIONS								CURB		DISCHARGE OPENING			
		A	B	C	D	E	F	G	H	J	K	N	P	R	S
D500-G15	810 LBS	82-3/8	37-3/8	36-3/4	33-1/16	3-3/4	53-5/8	7-13/16	42-13/16	31	79	18-3/4	16	6-1/8	10-13/16

UNIT INFORMATION.

MODEL	BURNER LENGTH	BTU RANGE (MIB)		GAS PRESSURE		GAS CONNECTION 2" (NPT)	CFM RANGE		FILTER SIZE & QTY	MAX. FILTER VELOCITY
		BTU LOW	BTU HIGH	MIN	MAX		MIN	MAX		
D500-G15	12'	19	550	7" WC	14" WC	1	2500	6000	20"x25"x2" (3)	66000 CFM = 696 FPM

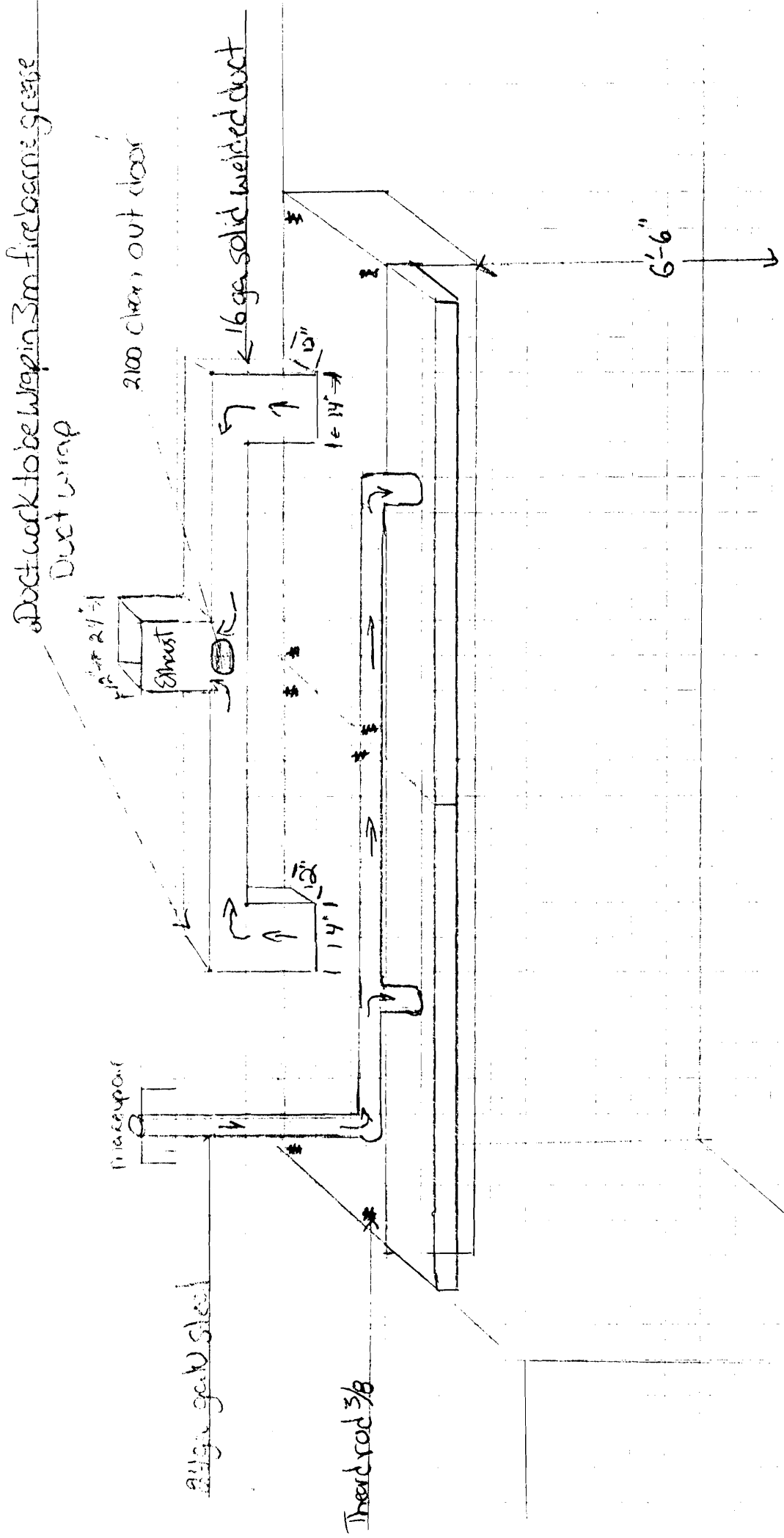
CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted
 Approved with NO Exception Taken
 Revise and Resubmit
 SIGNATURE *David...*
 Your Title _____ Date _____



JOB Green Elephant - Heated MUA
 LOCATION
 DATE 8/27/2007 JOB # 644779
 DWG # GreenElephant DRAWN BY BFC
 REV. 1.00 SCALE 8.5' x 11'

Ryan J. Smith
Dan Rougan
749-1878



Head Side view

