

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

Please Read Application And Notes, If Any, Attached

Permit Number: 061530

PERMIT ISSUED

NOV - 2 2006

This is to certify that MARDIGAN STEPHEN E. Munkel Design and Fabrication

has permission to install new 14' exhaust hood and make-up air & duct work

AT 865 FOREST AVE

137 C011001

provided that the person or persons performing or causing to be performed the work accepting this permit shall comply with all of the provisions of the Statutes of the State 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 occupied or service is resumed 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. Greg Case
Health Dept. _____
Appeal Board _____
Other _____
Department Name _____

William A. Collins 10/31/06
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 06-1530	Issue Date: PERMIT ISSUED NOV - 2 2005	CBL: 137 C011001
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Location of Construction: 865 FOREST AVE	Owner Name: MARDIGAN STEPHEN E	Owner Address: 460 BAXTER BLVD	Phone:
Business Name:	Contractor Name: Henckel Design and Fabrication	Contractor Address: 134 Hartley Street CITY OF PORTLAND	Phone: 2073 82623
Lessee/Buyer's Name	Phone:	Permit Type: Hood Systems, Commerical	Zone: B2

Past Use: Commercial/ Restaraunt ↓ OK # 06-1058	Proposed Use: Restaraunt- install new 14' exhaust hood and make-up air & Duct work	Permit Fee: \$60.00	Cost of Work: \$3,500.00	CEO District: 4
Proposed Project Description: install new 14' exhaust hood and make-up air & Duct work		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied TO NEPA 96	INSPECTION: Use Group: A2 Type: I KITCHEN HOOD INC 2003	
		Signature: <i>Cerec</i>	Signature: <i>10/31/06</i>	
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)				
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied				
		Signature:	Date:	

Permit Taken By: ldobson	Date Applied For: 10/18/2006	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>10/27/06</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 Date:
	<i>all with conditions</i>		

CERTIFICATION

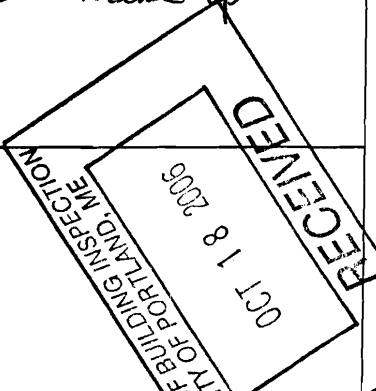
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, 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>865 Forest Portland Me 04103</u>		
Total Square Footage of Proposed Structure		Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>137 C 11</u>	Owner: <u>Steve Madigan</u>	Telephone: <u>772-5555</u>
Lessee/Buyer's Name (If Applicable) <u>Erik Richardson</u> <u>3 Eisenhower</u> <u>Westbrook Me 04092</u>	Applicant name, address & telephone: <u>Pete Hancock</u> <u>134 Hatley St</u> <u>Portland Me 04103</u>	Cost Of Work: \$ <u>3500</u> Fee: \$ _____ C of O Fee: \$ _____
Current Specific use: <u>RESTAURANT</u> If vacant, what was the previous use? <u>RESTAURANT</u> Proposed Specific use: <u>RESTAURANT</u>		
Project description: <u>INSTALL NEW 4" exhaust Hood and make up</u> <u>air - and duct work.</u>		
Contractor's name, address & telephone:		
Who should we contact when the permit is ready: <u>Pete Hancock</u>		
Mailing address: _____ Phone: <u>207-318-2623</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>[Signature]</u>	Date: <u>10-17-06</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: 06-1530	Date Applied For: 10/18/2006	CBL: 137 C011001
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Lessee/Buyer's Name	Phone:	Permit Type: Hood Systems, Commerical	

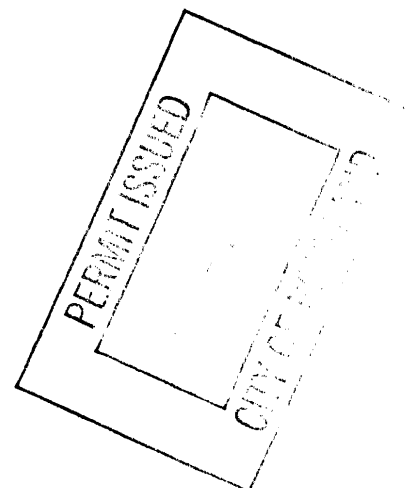
Proposed Use: Restauraunt- install new 14' exhaust hood and make-up air & Duct work	Proposed Project Description: install new 14' exhaust hood and make-up air & Duct work
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Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 10/27/2006
Note: **Ok to Issue:**
1) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
2) All external effects requirements under the B-2 Zone SHALL be met including noise/sound regulations. Violations of noise requirements are aggressively enforced.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Michael A. Collins **Approval Date:**
Note: **Ok to Issue:**
1) Equipment must be installed in compliance with the manufacturer's specifications
2) Separate permits are required for any electrical, plumbing, or HVAC systems.
Separate plans may need to be submitted for approval as a part of this process.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 10/30/2006
Note: **Ok to Issue:**
1) Install shall comply with NFPA 96

Comments:
10/27/2006-mes: permit #06-1058 approves the restaurant use



October 13, 2006

06183

Erik Richardson
3 Eisenhower Drive
Westbrook, Maine 04092

RE: New Hood at 865 Forest Ave

Dear Erik:

I was contacted by Gary Noble (mechanical contractor) to investigate the existing roof framing where a new exhaust hood is proposed to be installed at 865 Forest Ave. Based on information provided by Henkle Design (hood supplier), the hood measures 14 ft long X 4.5 ft wide, and weighs approximately 387 lbs. The existing roof joists are 16" deep manufactured I-joists, with plywood webs. Additional plywood infill has been added to the I-joists to make them appear as full 1.5" X 16" wood joists. I have accounted for this additional plywood infill in the analysis. The joists span approx. 24ft from the exterior wall, to a assumed load bearing ridge beam that is concealed by interior finishes.

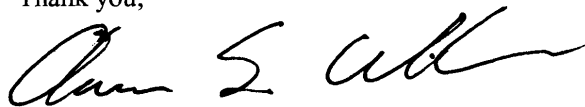
I analyzed the joists with a code specified uniform snow load of 42psf, and an approximate roof dead load of 12psf. According to Henkle Design, the hood will be supported by (4) hanging rods, one in each corner. The hood is located so that no more that one rod will be installed on any one joist. Therefore, in addition to the uniform load, we applied a 100lb point load to one of the joists that will be supporting the hood. Since the actual properties of the wood used in the fabrication of the wood I-joists are unknown, we assumed that the wood species is SPF #1/#2 with a $F'b = 1157$ psi ($F_b = 875$ psi, $C_d = 1.15$, $C_r = 1.15$) for the purposes of our analysis.

Based on the above assumptions and information provided by Henkle Design, I have determined that the existing roof framing appears adequate to support the IBC 2003 code specified snow load, approximated dead loads, and hood load. My investigation and analysis was limited to the roof joists in the area of the hood only; all other framing and connections are excluded from the investigation, the analysis, and this letter.

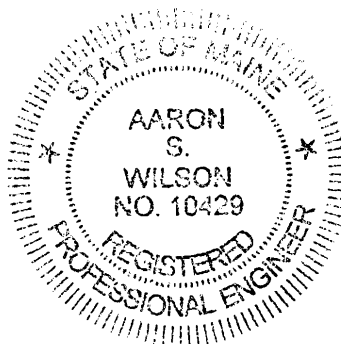
In addition to the new hood, the contractor is proposing to remove two existing exhaust fans, and replace them with new fans. The new fans will be located in the same roof penetrations as the existing fans. Since the new fans are approximately the same size as the existing fans, and since no modifications to the penetrations are necessary, it appears that the roof has sufficient capacity to support the new fans. It should be noted that the hood will not be supported by the joists located at the roof penetrations for the exhaust fans.

Please call should you have any additional questions.

Thank you,



Aaron Wilson, P.E.
Structural Engineer
Associated Design Partners, Inc
207-878-1751





Phone: 1-207-318-2623

Fax: 1-207-772-8952

E-mail: petehenckel@maine.rr.com

October 16, 2006

Gary, here is the information requested for the hood installation at #865 Forest Ave
In Portland Me if you should have any questions after you read this please feel free to
Call at any time.

- #1. One fourteen foot hood will be installed to local NFPA code.
- #2. sixteen gauge black iron welded duct work will be installed to local NFPA code.
- #3. One roofing curb will be installed using an existing opening for the make up air.
- #4. one exhaust fan will be installed using an existing wall mounted curb.
- #5. the new make up air system will be ducted into the building.
- #6. 22 gauge stainless steel will be installed behind the area where the hood meets
The wall.
- #7. A UL rated fire barrier insulation will be used when ever the exhaust duct comes
To close to a consumable item as well as the hood it self.

The work listed above will be code compliant, if you would like to proceed with this
quote a 50% deposit will be required with the balance to be paid when the work is
completed.

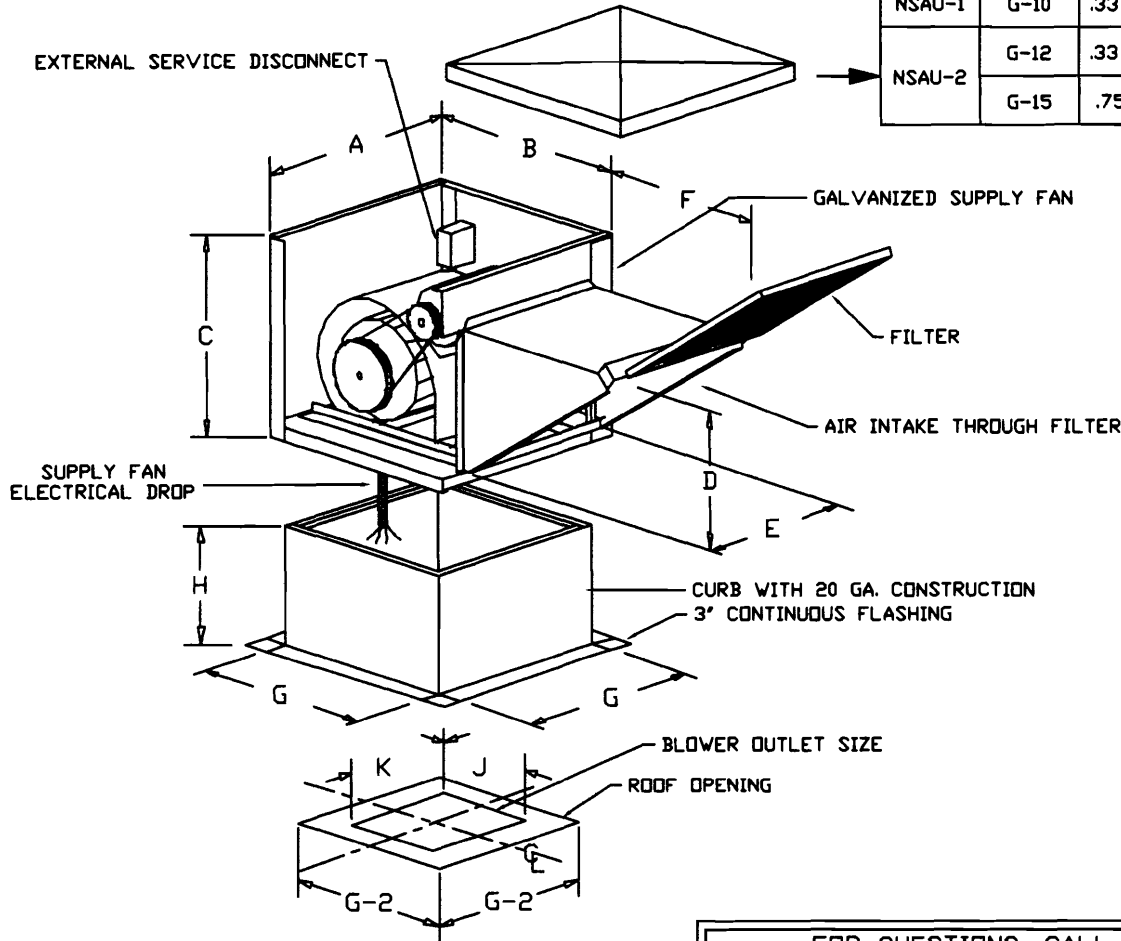
The quote for the work listed above is \$3500.00

NSAU-1 AND NSAU-2 SERIES DOWN DISCHARGE SUPPLY FANS



SUPPLY AIR UNIT DIMENSIONAL DATA

MODEL	BLOWER	HP RANGE	A	B	C	D	E	F	FILTER QTY.	FILTER SIZE	WEIGHT
NSAU-1	G-10	.33 - 2	26	32	28	20	20	26	2	16' X 20'	175 LBS
NSAU-2	G-12	.33 - 3	36	40	35	28.5	25	29	2	20' X 25'	275 LBS
	G-15	.75 - 5						53.75	3	20' X 25'	315 LBS

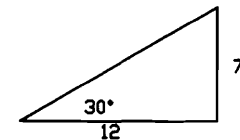


CURB/ROOFTOP DIMENSIONAL DATA

MODEL	BLOWER	G	H	J	K
NSAU-1	G-10	23	14	11-3/4	13-1/2
NSAU-2	G-12	32.5	14	13-3/4	15-7/8
	G-15			16-1/8	18-7/8

PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

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



CAPTIVE-AIRE SYSTEMS, INC. RESERVES THE RIGHT TO MODIFY THE DESIGN, MATERIALS AND/OR SPECIFICATIONS AS A RESULT OF CODE REQUIREMENTS OR PRODUCT ENHANCEMENTS RESULTING FROM ONGOING RESEARCH AND DEVELOPMENT.

FOR QUESTIONS, CALL THE
MAINE & NEW HAMPSHIRE REGIONAL SALES OFFICE
124 OHIO HILL RD., FAIRFIELD, ME 04937
PHONE: (207) 238-9213
FAX: (207) 238-9238

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

SIGNATURE _____

Your Title _____ Date _____



JOB	Flirts
LOCATION	Portland, ME
DATE	10/4/2006
JOB #	503845
DWG #	Flirts
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.	Ø	VOLT	FLA	BLOWER	HOUSING	TAG	CFM	S.P.	RPM	H.P.	Ø	VOLT	FLA
1	NCA16FA	NCA16FA		3500	1.000'	1170	1.500	1	230	10.2										
2	NSAU2-G12										G12	NSAU.2		3150	0.300'	646	1.000	1	230	6.8

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	26.500"W x 26.500"L x 20.000"H Vented Hinged
2	# 2	Curb	32.500"W x 32.500"L x 14.000"H

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SIGNATURE _____

Your Title _____ Date _____

	JOB Flirts	
	LOCATION Portland, ME	
	DATE 10/4/2006	JOB # 503845
	DWG # Flirts	DRAWN BY BFC
	REV. 1.00	SCALE 8.5' x 11'

HOOD INFORMATION

HOOD NO.	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM					SUPPLY PLENUM					HOOD CONSTRUCTION	HOOD CONFIG.		
				TOTAL EXH. CFM	RISER(S)			TOTAL SUP. CFM	RISER(S)			END TO END	ROW				
				WIDTH	LENG.	DIA.	CFM	S.P.	WIDTH	LENG.	DIA.	CFM	S.P.				
1	5424 ND-2	14' 0.00"Nom. 14' 0.00"OD	600 Deg.	3500	14'	24'		3500	0.578'	0					430 SS Where Exposed	ALONE	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/ Handle	3 6	16" 16"	16" 20"	4	Incandescent Light	NO							NO	387 LBS.

SPECIFICATIONS: ND MODEL

THE MODEL ND IS A CANOPY HOOD WITH OPTIONAL REAR DISCHARGE MAKE-UP AIR THROUGH A REAR PLENUM (NDBR).

THE HOOD COMPONENTS SHALL BE FABRICATED OF TYPE 430 STAINLESS STEEL, #3 OR #4 POLISH, ON ALL EXPOSED SURFACES. CONSTRUCTION SHALL BE IN ACCORDANCE WITH NFPA 96.

THE HOOD SHALL BE PROVIDED WITH HANGING ANGLES ON EACH END OF THE HOOD. AN ADDITIONAL SET OF HANGING ANGLES WILL BE PROVIDED FOR HOODS GREATER THAN 12' IN LENGTH.

THE HOOD SHALL BE FITTED WITH U.L. CLASSIFIED BAFFLE TYPE FILTERS OR S/STEEL HIGH VELOCITY CARTRIDGE FILTERS. EACH FILTER SHALL BE EASILY REMOVABLE FOR CLEANING. THE FILTERS WILL DRAIN THE GREASE INTO A SLOPED GREASE DRAIN SYSTEM WITH REMOVABLE 1/2 PINT CUP FOR EASY CLEANING.

HOOD LIGHTS SHALL BE U.L. LISTED SUITABLE FOR GREASE HOODS AND SHALL BE SUPPLIED WITH PLASTIC COATED GLOBES. EACH LIGHT WILL ACCOMMODATE UP TO A STANDARD 100 WATT BULB. ALL LIGHTS WILL BE PRE-WIRED TO JUNCTION BOXES ON TOP OF THE HOOD.

HOOD DIMENSIONS SHALL BE AS SHOWN ON DRAWINGS.

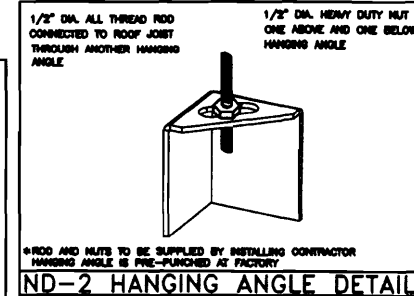
ETL LISTING DESCRIPTION
THE CAPTIVE AIRE MODEL
 ND-2 HAS BEEN E.T.L. TESTED, LISTED, AND APPROVED TO EXHAUST A MINIMUM OF 200 CFM PER LINEAR FOOT OVER 600 DEGREE COOKING EQUIPMENT

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH



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

- ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS.
- ALL PLUMBING "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTORS.
- ALL ASSOCIATED HANGER MATERIALS BY INSTALLING CONTRACTORS.
- 8" LONG FACTORY LOCATED AND WELDED HANGER BRACKETS AS SHOWN ON PLANS.
- ALL CONNECTIONS FROM CAPTIVE-AIRE DUCT PER THE PLANS BY MECHANICAL CONTRACTORS.
- ALL LIGHTS SHOWN INSTALLED BY CAPTIVE-AIRE, ARE FACTORY PREWIRED PER THE PLANS. INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES BY ELECTRICAL CONTRACTOR.
- LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS.
- SEISMIC RESTRAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
- INSTALLING CONTRACTORS ASSUME ALL RELATED RESPONSIBILITY FOR VERIFICATION OF DIMENSIONAL DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTEGRATION, AND ADMINISTRATION OF CODE REQUIREMENTS IN EFFECT PRIOR TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN.
- SIGNED AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE RECEIVED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.
- NOMINAL HOOD DIMENSIONS AS SHOWN ON DRAWINGS.



EXHAUST CFM=LENGTH OF HOOD X CFM/LIN.FT. (LOAD)
 SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED

$$\text{TOTAL DUCT AREA} = 144 \times \frac{\text{CFM}}{\text{FMP}(\%)}$$

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

*CAPTIVE-AIRE VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1600-1800 FPM AND A SUPPLY VELOCITY OF 1000 FMP. PLEASE CONSULT FACTORY FOR MAXIMUM ALLOWABLE DUCT SIZES

CALCULATIONS UTILIZED

GENERAL NOTES

FOR QUESTIONS, CALL THE
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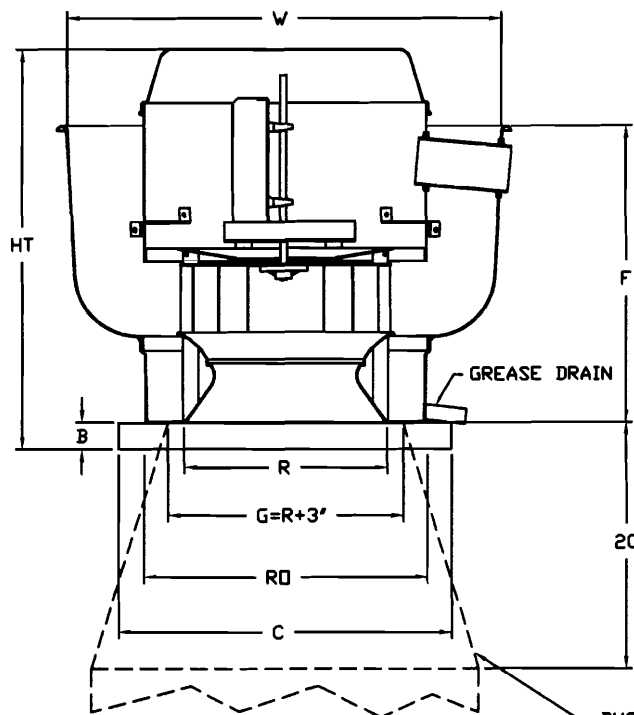
SIGNATURE _____

Your Title _____ Date _____



JOB	Flirts
LOCATION	Portland, ME
DATE	10/4/2006
JOB #	503845
DWG #	Flirts
DRAWN BY	BFC
REV.	1.00
SCALE	8.5' x 11'

NCAFA SERIES UPBLAST EXHAUST FANS (UL762)



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

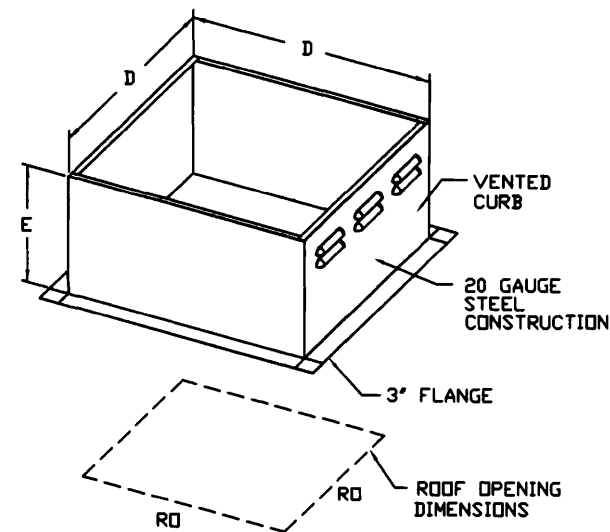
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST

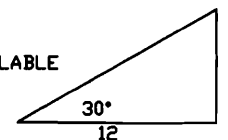
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS:

- GREASE BOX
- HINGED FAN



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.



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

CURB DIMENSIONAL DATA

FAN MODEL	D	E
NCA16FA	26 1/2	20

NCAFA BELT DRIVE CENTRIFUGAL UP-BLAST EXHAUST FANS DIMENSIONAL DATA

FAN MODEL	HT	W	B	C	F	R	RD	WEIGHT LB
NCA16FA	33 3/4	38	2	28	23 1/2	16 1/2	24 1/2	190

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

FOR QUESTIONS, CALL THE
MAINE & NEW HAMPSHIRE REGIONAL SALES OFFICE
124 OHIO HILL RD., FAIRFIELD, ME 04937
PHONE: (207) 238-9213
FAX: (207) 238-9238

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

Approved with NO Exception Taken

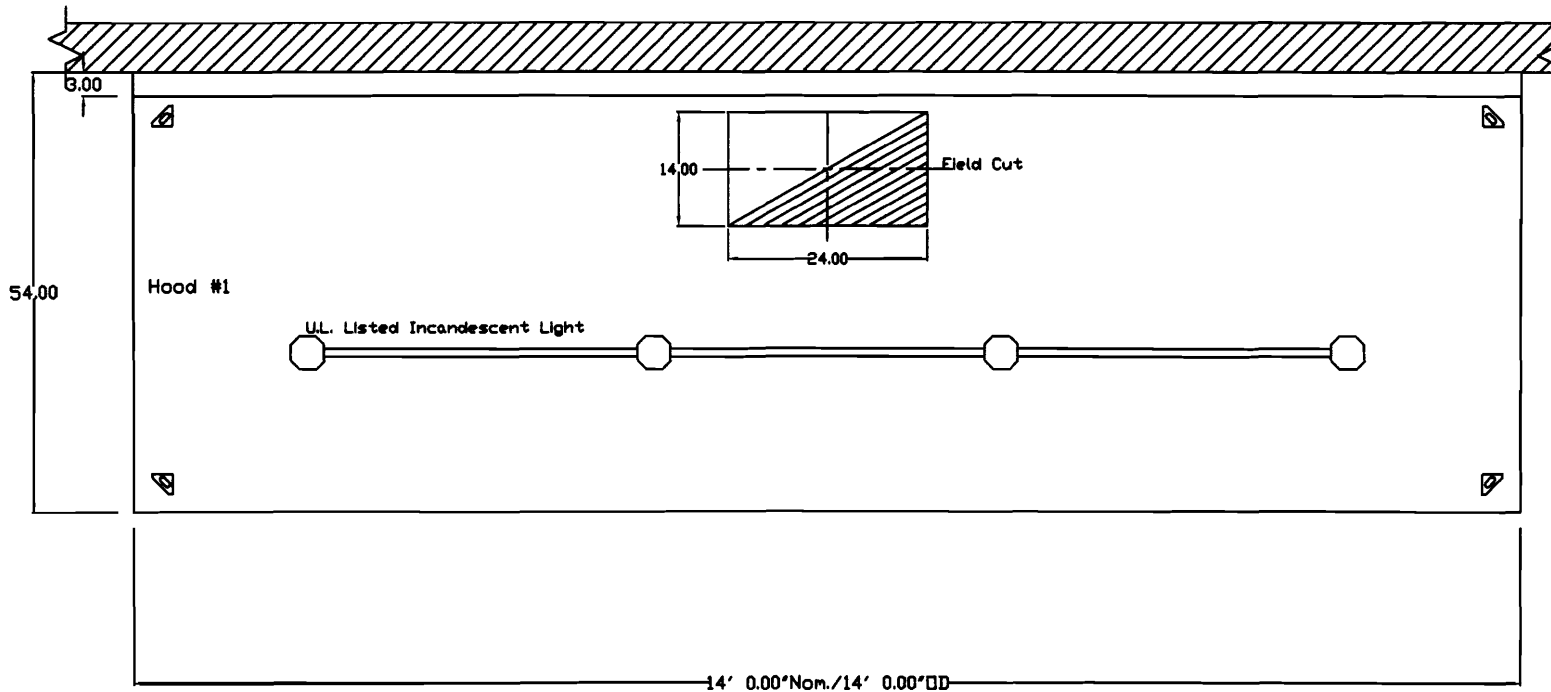
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SIGNATURE _____

Your Title _____ Date _____



JOB Flirts	
LOCATION Portland, ME	
DATE 10/4/2006	JOB # 503845
DWG # Flirts	DRAWN BY BFC
REV. 1.00	SCALE 8.5' x 11'



PLAN VIEW - 14' 0.00' LONG 5424ND-2

NOTE: Additional hanging angles provided for hoods longer than 12 ft.

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SIGNATURE _____

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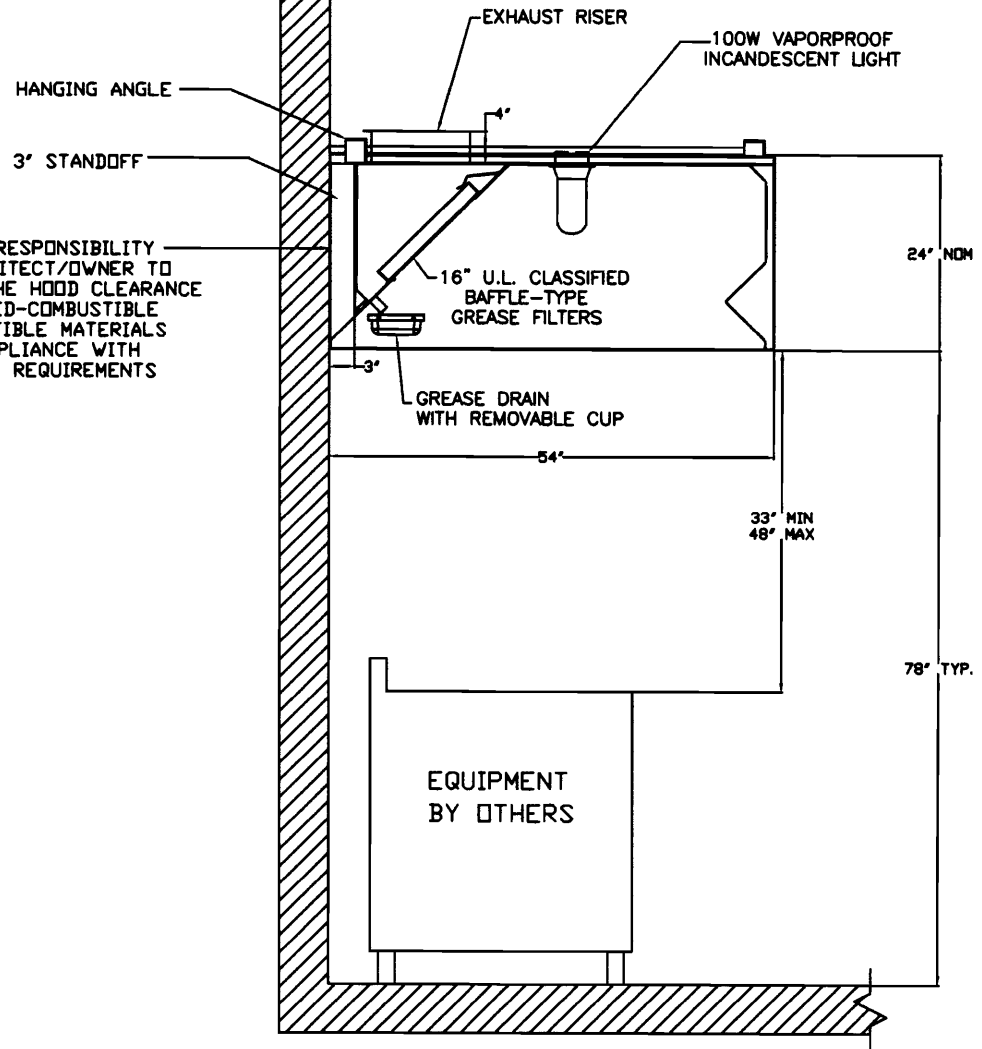
CAPTIVE AIR	JOB Flirts	
	LOCATION Portland, ME	
	DATE 10/4/2006	JOB # 503845
	DWG # Flirts	DRAWN BY BFC
	REV. 1.00	SCALE 8.5' x 11'

THE HOOD MAY BE INSTALLED WITH A 0 INCH CLEARANCE TO COMBUSTIBLE MATERIALS IF CONSTRUCTED IN ONE OF THE FOLLOWING METHODS:

- 3" UNINSULATED STANDOFF
- 1" INSULATED STANDOFF
- 1" INSULATED BACKSPASH
- BACK RETURN SUPPLY PLENUM

TABLE 1

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



SECTION VIEW - MODEL 5424-ND-2

FOR QUESTIONS, CALL THE
 MAINE & NEW HAMPSHIRE REGIONAL SALES OFFICE
 124 OHIO HILL RD., FAIRFIELD, ME 04937
 PHONE: (207) 238-9213
 FAX: (207) 238-9238

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

SIGNATURE _____

Your Title _____ Date _____

CAPTIVEAIRE

JOB Flirts	
LOCATION Portland, ME	
DATE 10/4/2006	JOB # 503845
DWG # Flirts	DRAWN BY BFC
REV. 1.00	SCALE 8.5' x 11'



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.

Type of System:

Type I 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? Stainless If Other, what Type? _____

Is the duct work Stainless steel or other type of steel? Black iron If Other, what type? 16 Ga Black iron ducting

Thickness of the steel for the hood 430 SS

Thickness of the duct for the hood 16 Ga

Type of Hood and Duct supports

3/8 threaded Rod 1 5/8"
UNISTRUT

Type of seams and Joints welded

Grease Gutters provided? yes

Hood Clearance from Combustibles materials Code Compliant

Duct Clearance from Combustibles materials Code Compliant

Vibration Isolation System:
yes per code

Air Velocity within the duct system No less than 1.500 Ft per Min

Grease accumulation prevention system
2 percent Slope

Cleanouts _____

Grease Duct enclosure Per Code

Exhaust Termination per code

Fire Suppression system yes

Exhaust fan mounting and clearance from the roof or wall per code

Exhaust fan distance from other vents or openings 10'

Exhaust fan height above adjoining grade 10'

Hood Specs

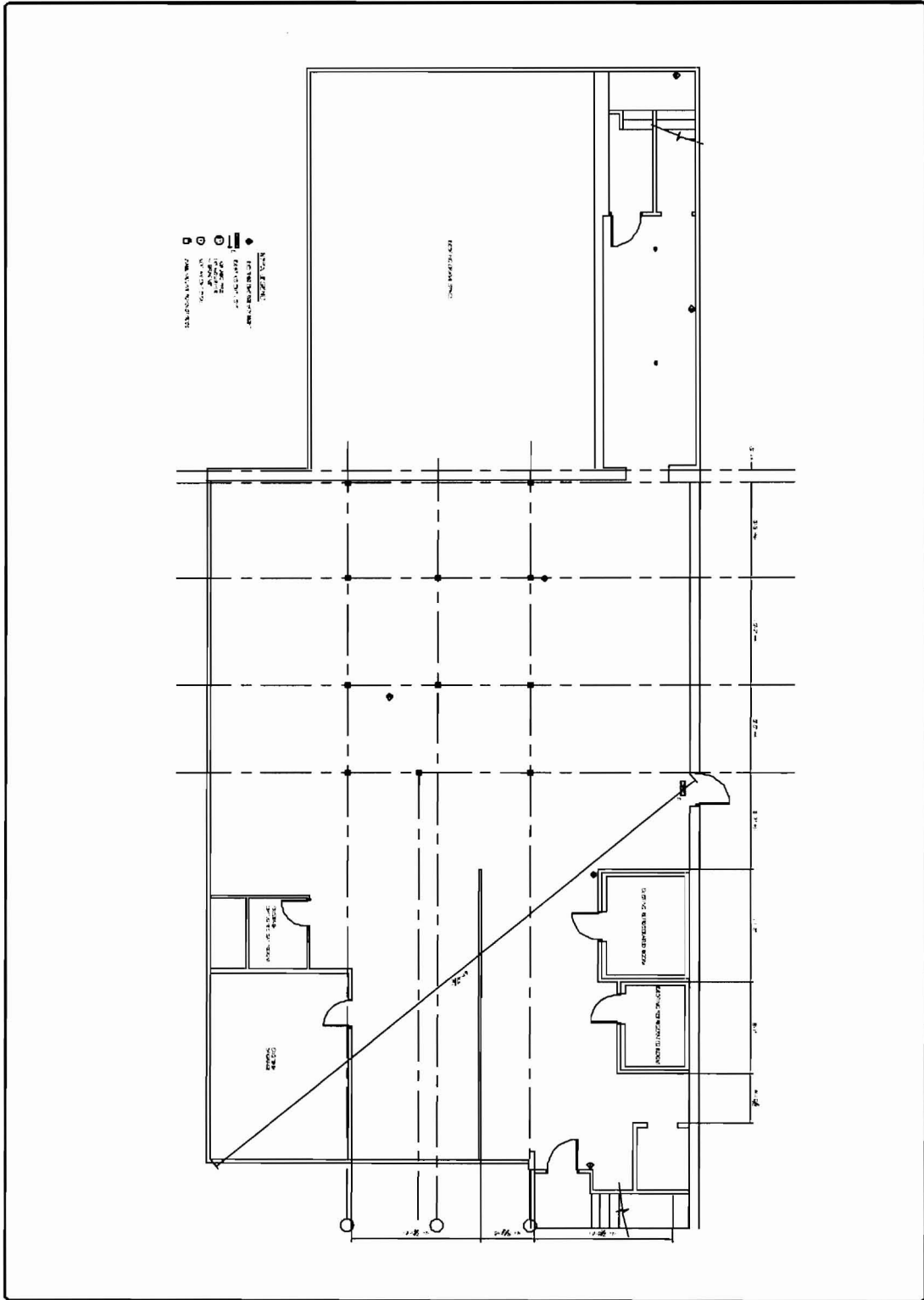
Style of hood Type I

Type of Filter: Aluminum baffle

Height of filter above nearest cooking surface: per code

Capacity of hood in CFM 3500 CFM

Make up Air system description and capacity
3150 CFM .030 SP



DATE: 06/11/08
 DRAWN BY: L.D.
 CHECKED BY: L.D.
 PROJECT NO: 06183
 SHEET NO: A100

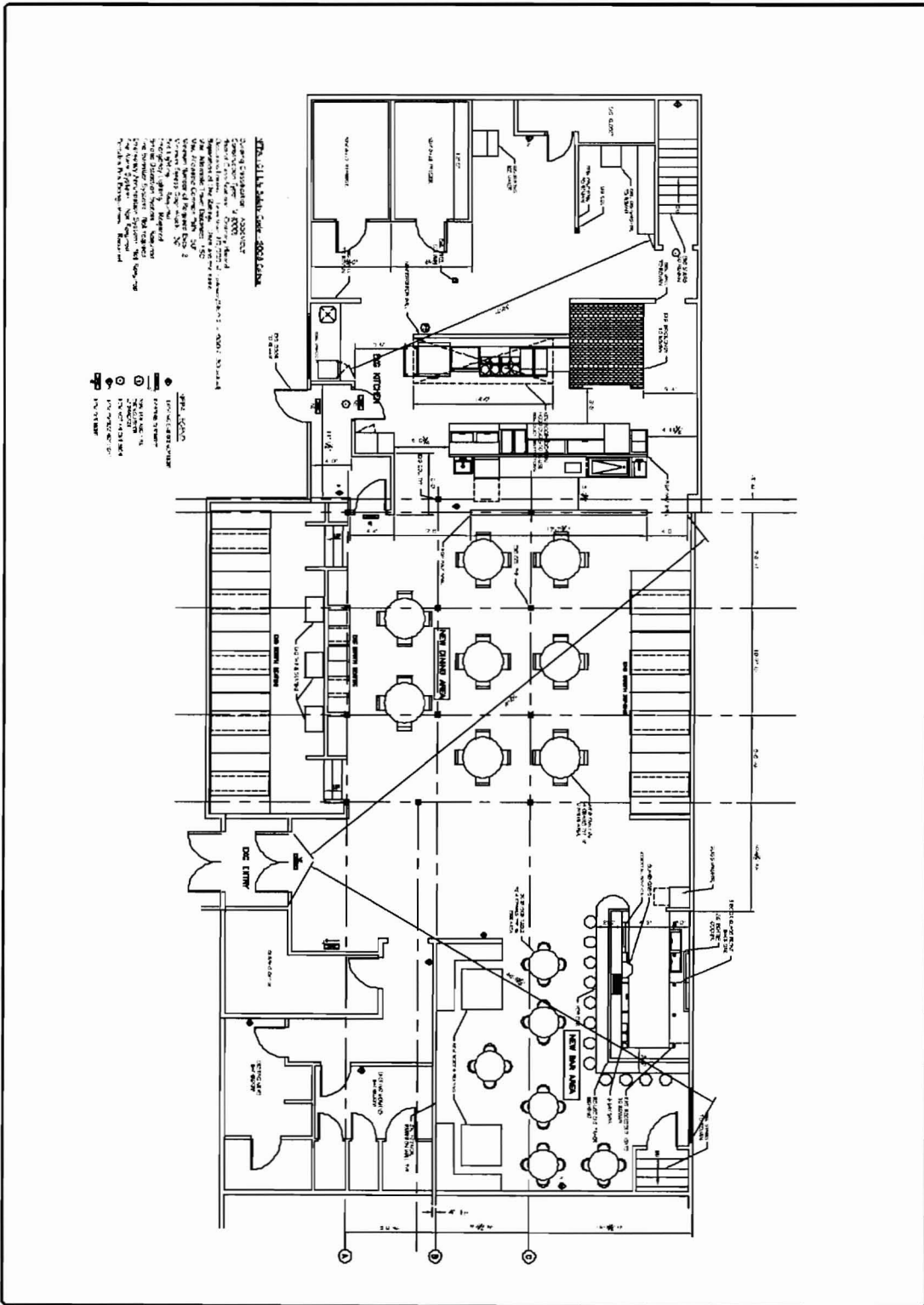
NO.	BY	REVISION	DATE

PROJECT: 865 FOREST AVE.
 PORTLAND, MAINE
 FOR CIVIL REGISTRATION
 SHEET TITLE: BASEMENT PLAN
 ISSUED FOR PERMITTING

SCALE: AS SHOWN
 1/8" = 1'-0"

ASSOCIATED DESIGN PARTNERS INC.
 88 Leighton Street
 Portland, Maine 04108
 Office: (207) 878-1731
 Fax: (207) 878-1734
 E-Mail: info@adpartners.com





NO.	REVISION	DATE

PROJECT: 865 FOREST AVE.
 PORTLAND, MAINE
 FOR CRANT WILSON

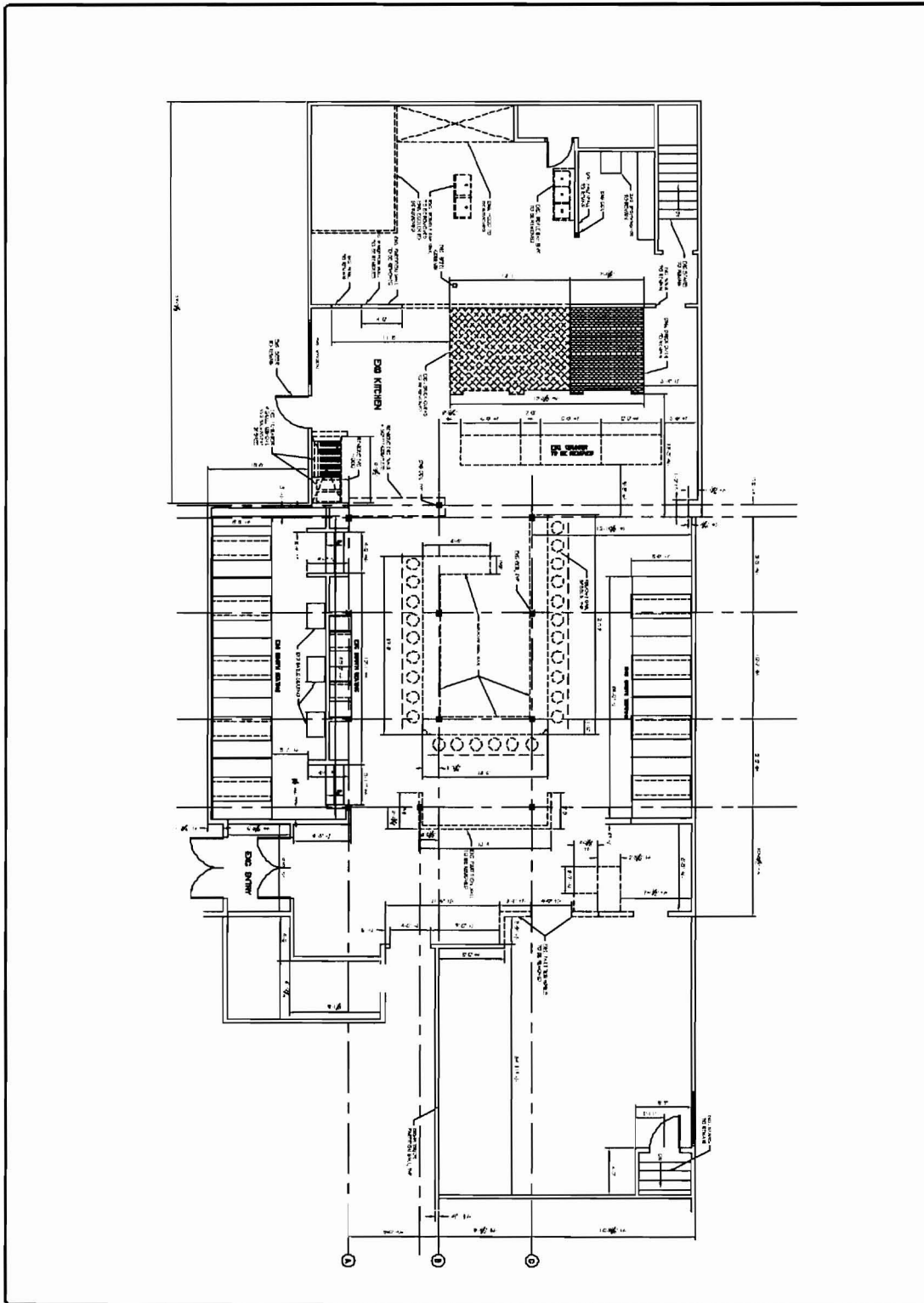
SHEET TITLE:
 PROPOSED FLOOR PLAN
 ISSUED FOR PERMITTING

ASSOCIATED DESIGN PARTNERS INC.

88 Lupton Road
 Portland, Maine 04108

Office: (207) 878-1331
 Fax: (207) 878-1348
 E-Mail: adp@adpinc.com

06183
 A101



06183 D101	DATE: 01-11-10
	DRAWN BY: L. DOBSON
	CHECKED BY: M. WILSON
	SCALE: AS SHOWN

PROJECT: 865 FOREST AVE.
 PORTLAND, MAINE
 FOR CRAYT WILSON
 SHEET TITLE: DEMO PLAN
 ISSUED FOR PERMITTING

ASSOCIATED DESIGN PARTNERS INC.
 88 Leighton Road
 Portland, Maine 04103
 Phone: (207) 878-1141
 Fax: (207) 878-1148
 E-Mail: info@adpartners.com

ASSOCIATED DESIGN PARTNERS INC.
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