Form # P 04 DISPLAY THIS C Please Read Application And Notes, If Any, Attached	ARD ON PRINCIPAL FR	
This is to certify that COTTON STREET DI	EVEL MENT LLC (Noble Restaura	ui
has permission to Install new Kitchen Ho	ood Sy n	038 C016001
provided that the person or pers of the provisions of the Statutes the construction, maintenance a this department. Apply to Public Works for street line and grade if nature of work requires such information.	s of the and of the and and	A certificate of occupancy must be procured by owner before this build- ing or part thereof is occupied.
OTHER REQUIRED APPROVALS Fire Dept Health Dept Appeal Board Other Department Name P		Director - Building & Inspection Services

CITY OF PORTLAND, MAINE HISTORIC PRESERVATION BOARD

John Turk, Chair Rick Romano, Vice Chair Otis Baron Martha Deprez Kimberley Geyer Ted Oldham Cordelia Pitman

August 8, 2007

Nat Getchell Portland Pie Company 505 Fore Street Portland, Maine 04101

Re: Installation of Exterior I

Dear Mr. Getchell:

On July 25, 2007, the City of Por Certificate of Appropriateness for Building at 505-507 Fore Street. proposed installation met the Stan subject to the following condition

- The proposed ductwork sl historic structure and later
- The duct shall measure 4" blower.
- A revised drawing reflecting

Wojed metha alrandered.

and approval. *Note: revis* •

Entire installation to be painted dark gray, matte finish.

As you are aware, implementation of the proposed project will require consent of the building owner. The Historic Preservation Board was asked to make a determination as to whether the installation as proposed would meet Portland's historic preservation ordinance standards and therefore be granted a Certificate of Appropriateness.

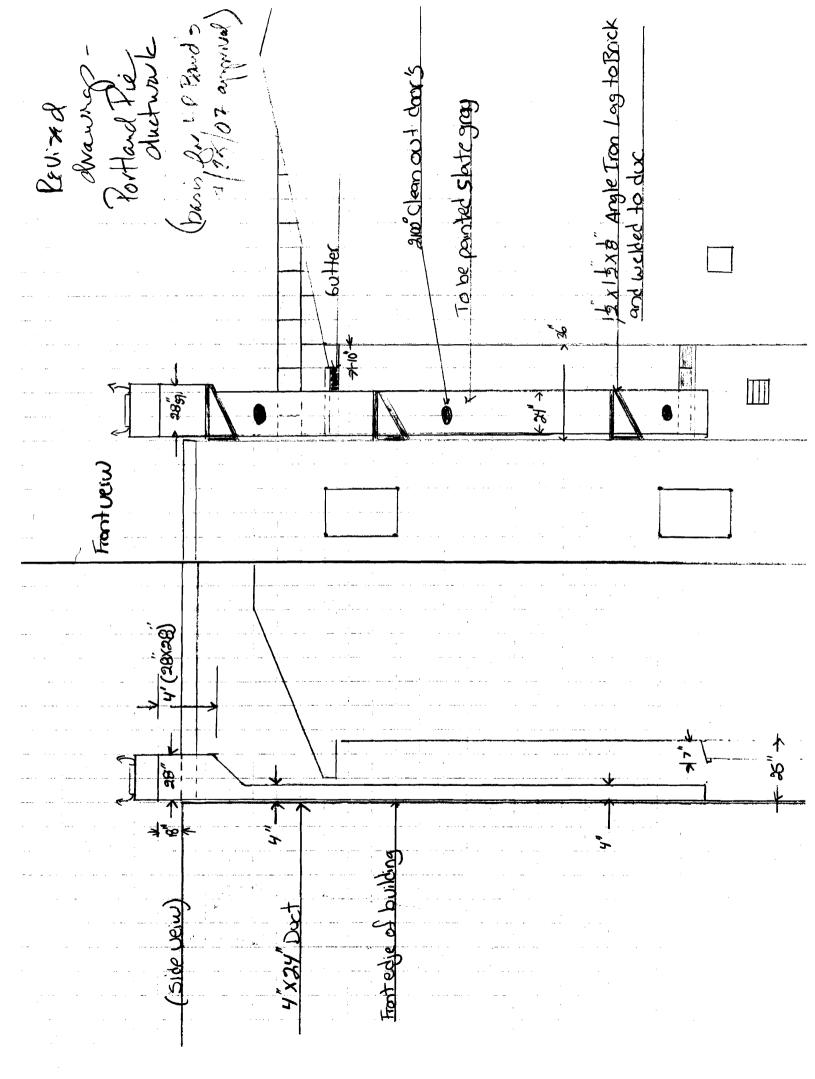
All improvements shall be carried out as shown on the plans and specifications submitted for the 7/25/07public hearing, except as to comply with the conditions above. Changes to the approved plans and specifications and any additional work that may be undertaken must be reviewed and approved by this office prior to construction, alteration, or demolition. If, during the course of completing the approved work, conditions are encountered which prevent completing the approved work, or which require additional or alternative work, you must apply for and receive a Certificate of Appropriateness or Non-Applicability PRIOR to undertaking additional or alternative work.

This Certificate is granted upon condition that the work authorized herein is commenced within twelve (12) months after the date is issuance. If the work authorized by this Certificate is not commenced within twelve (12) months after the date of issuance or if such work is suspended in significant part for a period of one year after the time the work is commenced, such Certificate shall expire and be of no further effect; provided that, for cause, one or more extensions of time for periods not exceeding ninety (90) days each may be allowed in writing by the Department.

Sincerely,

John Turk, Chair Historic Preservation Board

cc: Dan Bourgoin, Bourgoin & Son LLC



City of Portland, Maine - Bu	ilding or Use	Permit	t Application	1 Pe	rmit No:	Issue Date:		CBL:	
389 Congress Street, 04101 Tel:	(207) 874-8703	8, Fax: (207) 874-871	6	07-0313			038_C0	16001
Location of Construction:	Owner Name:			Owne	r Address:			Phone:	
505 FORE ST	COTTON STI	REET D	EVELOPME	POI	BOX 6799				
Business Name:	Contractor Name	:		Contr	actor Address	:		Phone	
	Noble Restaur	ant Equi	ipment	P.O.	Box 1701 P	ortland		2077801	196
Lessee/Buyer's Name	Phone:				it Type: od Systems, (Commerical			Zone: B-3
Past Use:	Proposed Use:			Perm	it Fee:	Cost of Worl	c: CE	O District:	7
Commercial Restaurant - Portland	Commercial R	lestaurar	nt - Portland	ĺ	\$170.00	\$14,22	7.50	1	
Pie Company	Pie Company-	Install	new Kitchen	FIRE	DEPT:	Approved	INSPECTI	ON:	
	Hood System				[_] Denied	Use Group	:	Туре:
Proposed Project Description:				4					
Install new Kitchen Hood System				Signa	ture:		Signature:		
, , , , , , , , , , , , , , , , , , ,						TVITIES DIST		.D.)	=
				Actio	n: 🗌 Appro	oved 🗌 App	roved w/Cor	nditions	Denied
				Signa	iture:		Da	ite:	
Permit Taken By: Date	Applied For:			L	Zoning	g Approva	1	_	
ldobson 03/	2007					5PP-0	-		
1. This permit application does no	ot preclude the	Spee	cial Zone or Revie	ws	Zon	ing Appeal		Historic Pre	ervation
Applicant(s) from meeting appl Federal Rules.		Sh	oreland		Varian	ce		Not in Distri	Ct or Landmark
2. Building permits do not include septic or electrical work.	e plumbing,	Wetland						Does Not Re	quire Review
3. Building permits are void if wo within six (6) months of the dat		Flood Zone			Conditional Use			Requires Review	
False information may invalidate a building permit and stop all work		Subdivision				Interpretation		Approved	
		Sit	e Plan		Approv	/ed		Approved w	Conditions
		Maj,			Denied			Denied	
		Date:	-1270	7	Date:		Date:		
WIT	HDF	RA	W	1					

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

CHARGE AND PRO

General Building Permit Application

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

Γax Assessor's Chart, Block & Lot Chart# Block# Lot#	Owner: Cotton Street Developme	Telephone:
Prother & Pie Conford	Applicant name, address & telephone: Nuthuniel Getinen 4 Marian Circle	Cost Of Work: \$ <u>14,227.5</u> 0
	Cunberland, ME04021	Fee: \$ C of O Fee: \$
f vacant, what was the previous use? Proposed Specific use:	izza Zesteraut	
s property part of a subdivision? <u>NU</u> Project description:	If yes, please name	
	Europeant PORX 1701	Portland, ME eying 7
Noble Resterment I Contractor's name, address & telephone:	republication to her 1101	

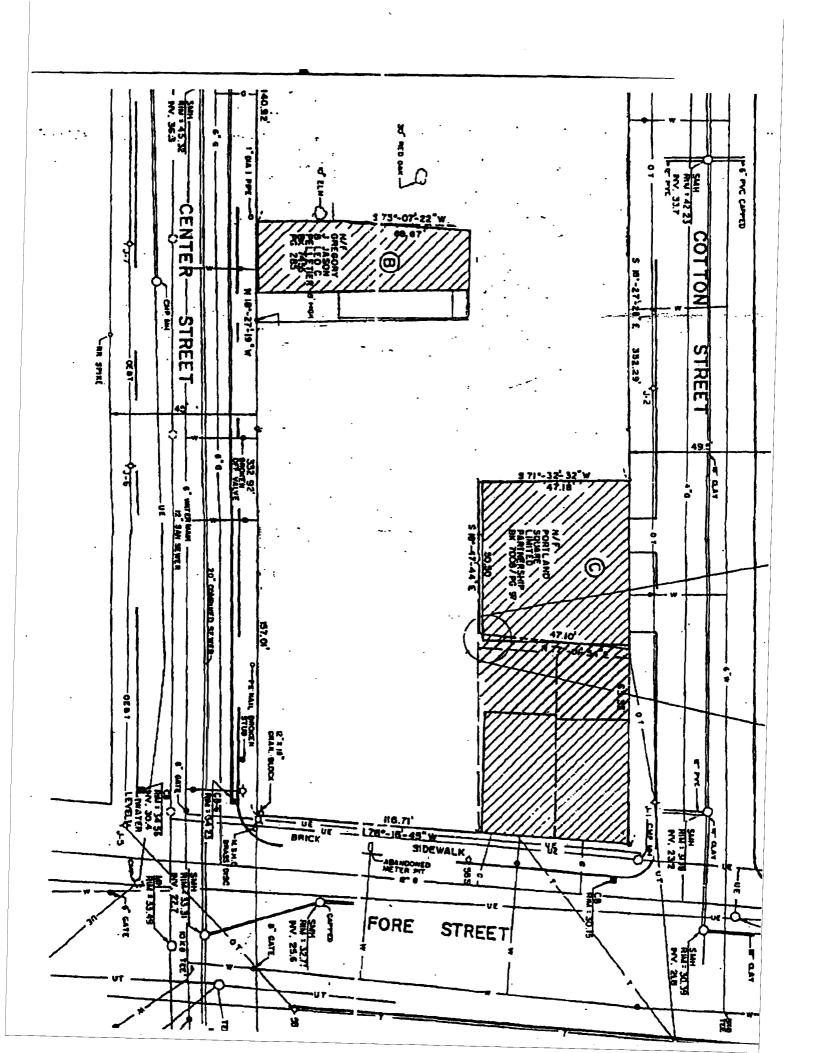
Failure to do so will result in the automatic denial of your permit.

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 <u>www.portlandmaine.gov</u>, 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.

	\sim					
Signature of applicant:	2/2	$\bigcirc \lambda_{c}$	Re	Date:	3-26-2007	
					•	

This is not a permit; you may not commence ANY work until the permit is issued.





NOBLE RESTAURANT EQUIPMENT PO BOX 1701 PORTLAND, MAINE 04101 cell - 939-3070 fax - 207-780-1196 phone - 780 - 1196

Estimate

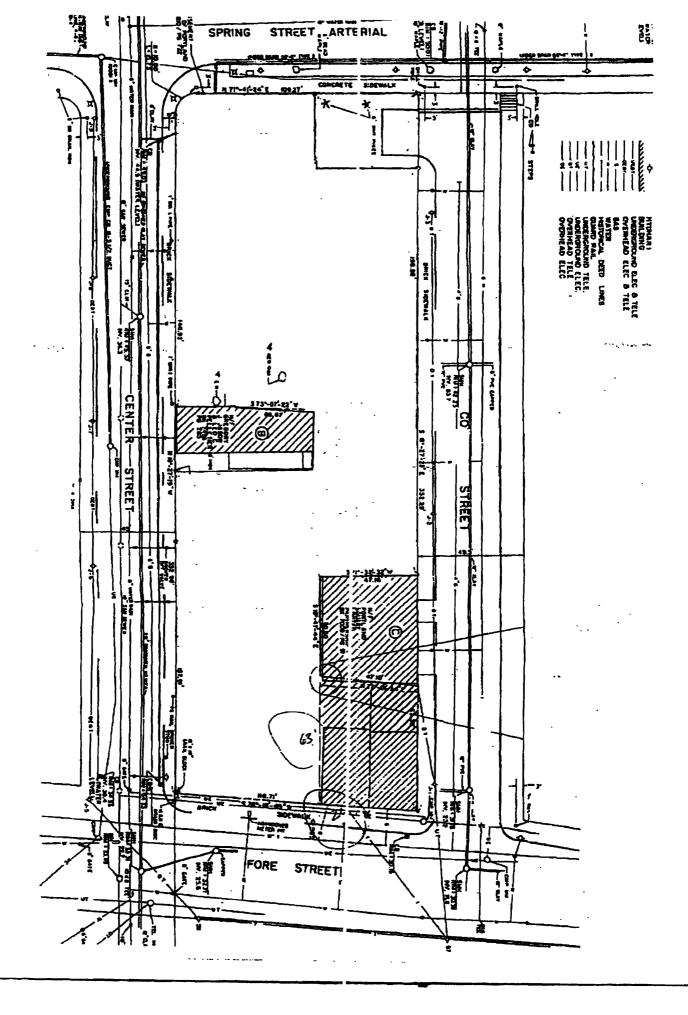
Estimate No: Date: Territory: Salesperson: 1086 3/15/2007

Bill To:

Portland Pie Fore st. Portland "Me.04101

Code	Description	Qty Hours	Rate	Amount	
	# 1- submit conceptual design drawings			*	
	# 2- demo current exhaust system and dispose of			*	
	# 3- wall directly behind the new hood will be fire rated with steel stud wall			*	
	# 4-once city has varified that the wall is constructed of steel studs 5/8" fire rated sheet rock will be installed it along with 24 ga. stainless steel sheets over the rock.			*	
	# 5-one 6'x10' stainless steel type 1 hood to be installed with make-up air			*	
	# 6- 16 ga. black iron duckting will be installed with all welded joints in interior of the building.			•	
	# 7-15 ga. fire barrier insulation will be installed where ever the duct work encounters a combustable.			*	
	# 8- once the ducting exits the building 16 ga. galvanized duct will be installed to roof line per code, this style will better handle the elements.			*	
	# 9-two clean outs will be installed per code.			*	
	# 10- one exhaust fan installed where duct work terminates.			*	
	# 11- one make-up air fan will be installed in line with duct to plentium.			*	
	# 12- one wall curb installed to except the exterior duct penetration.			*	
	# 13- fire suppression system to code.	1.0013	,550.00	\$13,550.00	
*					
terms ar	nd conditions-this quote includes no electrical, carpentry or	Subtatal		\$13.550.0	0

terms and conditions-this quote includes no electrical, carpentry or	Subtotal	\$13,550.00
permits(however assistancewill be rendered ie paperwork filled out ect.) a	$I_{dX} = 5.00m_o$	\$677.50
50% deposite will be required to start and balance due upon completion of	Fotal	\$14,227.50
work .		





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 Steel If Other, what Type? _____

Is the duct work Stainless steel or other type of steel? <u>16 Gra Black</u> If Other, what type? 16 Ga Biork Iran the weided Sesnis

Thickness of the steel for the hood 18GA

Thickness	of the	duct	for th	ne hood_	16	GA	
				_			

Type of	Hood	and	Duct	supports	-
• •	~ ·	1.22			7

Thraulah Red UL Rates SAMMYS HUTS and Hordward

Type of seams and Joints <u>All</u> welke

Grease Gutters provided?	
Hood Clearance from Combustibles materials 16" 154 Fire Barrie	- noviatio
Duct Clearance from Combustibles materials <u>3" 15A Fire Borner</u>	
-Vibration Isolation System:	
Air Velocity within the duct system 1500 FPM	_
Grease accumulation prevention system	
Cleanouts	_
Grease Duct enclosure	_
Exhaust Termination @ 12005 43" above the Reat	Line
Fire Suppression system	
Exhaust fan mounting and clearance from the roof or wall $43^{\prime\prime}$	_
Exhaust fan distance from other vents or openings 10' on more	_
Exhaust fan height above adjoining grade 28'	
Hood Specs	
Style of hood Type are Type of Filter: <u>Aluming</u>	-
Type of Filter: <u>Alunium</u>	_
Height of filter above nearest cooking surface: Min 33" Max 48"	
Capacity of hood in CFM2500	
Make up Air system description and capacity INCINE F. Itar Supply FAN	
Y	

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134 Hartley Street Portland, Maine 04103

Phone: 1-207-318-2623 Fax: 1-207-772-8952 E-mail: petehenckel@maine.m.com

March 15, 2007

ATTN; CITY OF PORTLAND FROM HENCKEL DESIGN SUBJECT; EXTERIOR AND INTERIOR DUCT SUPORTS SITE LOCATION; PORTLAND PIE COMPANY

The hood to be installed has a weight of 430LBS and will be hung at four points with a total Corner load of 107.5LBS each corner will be anchored using 3/8 threaded rod secured to the beams (note the beams size and there distance from the each load bearing support needs to be verified for the load rating) the rod will be anchored to the beams using a 3/8UL rated sammy anchor system per code.

The duct work at the exterior of the building will transition from 16GA black iron to 18GA galvanized to with stand the elements this duct work as it exits the building will use existing penetrations no new holes are made in the historical part of the structure.

The exterior ducting will travel 43 above the roof line per code the duct will be supported. By 11/2X11/2X1/8 angel iron at six points at three different elevation point along the duct line anchored by two hammer anchor pins per side.

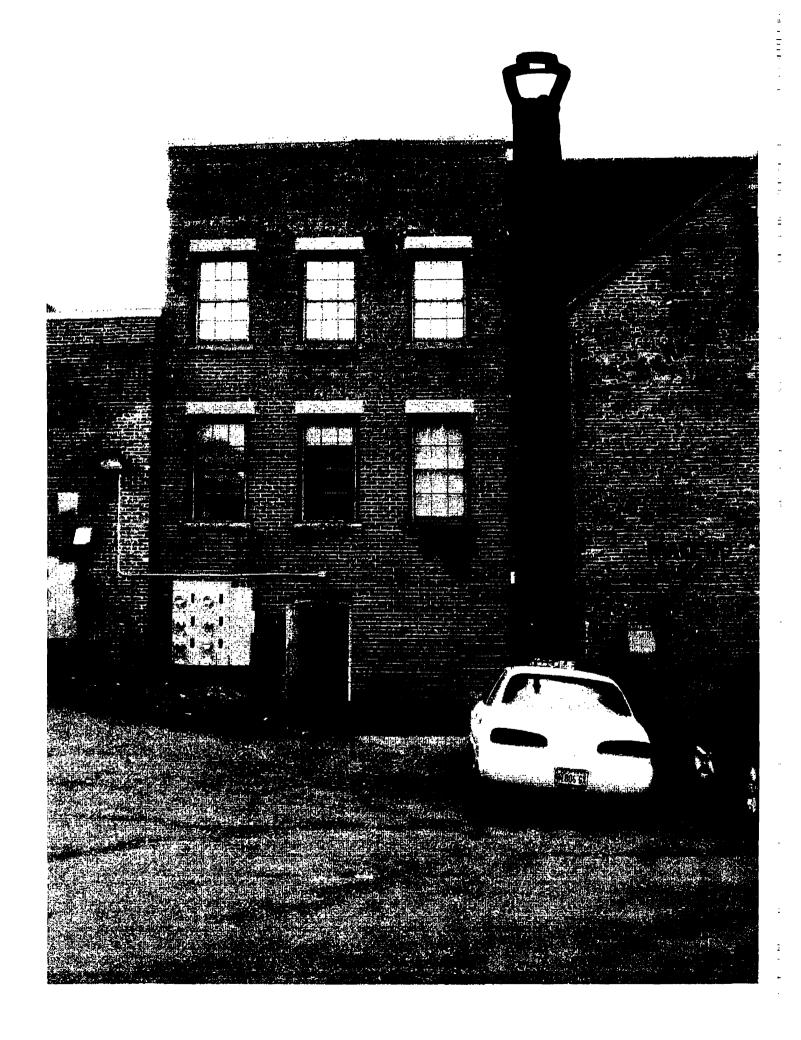
Once the duct work is in place the fan will be lifted in place and secured.

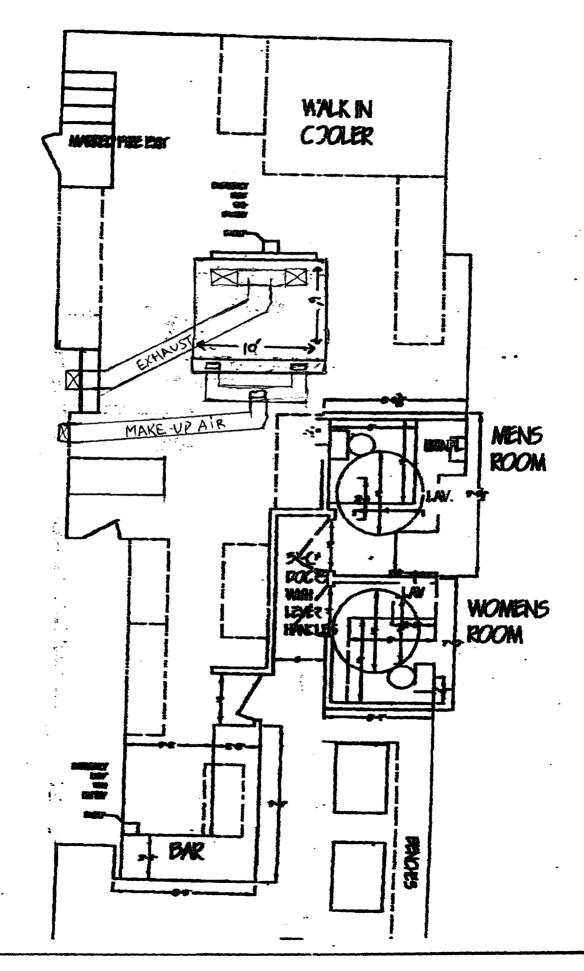
Please note that the exterior ducting will travel between the historical and the additional structure the ducting will be a minimum of 10 from any window and the make up air injet will be located at the first floor elevation for maximum clearance.

Thank you H/D/F

Pt A. H.

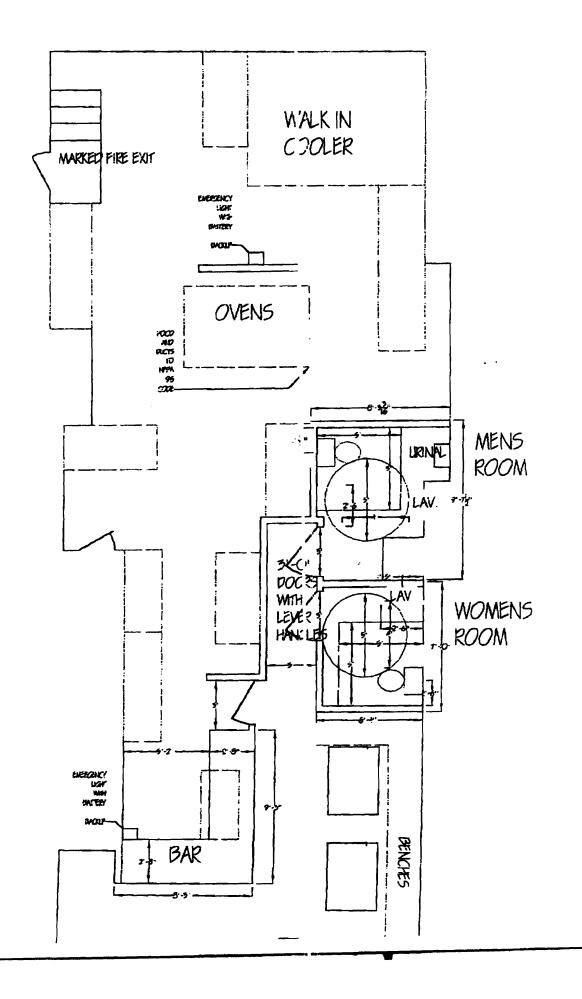
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installed in frames or holders so as to be readily removable without the use of separate tools, unless designed and installed to be cleaned in place and the system is equipped for such cleaning in place. Removable filter units shall be of a size that will allow them to be cleaned in a dishwashing ma-

chine or pot sink. Filter units shall be arranged in place or provided with drip-intercepting devices to prevent grease or other condensate from dripping into food or on food preparation surfaces.

507.11.2 Mounting position. Filters shall be installed at an angle of not less than 45 degrees (0.79 rad) from the horizontal and shall be equipped with a drip tray beneath the lower edge of the filters.

507.12 Canopy size and location. The inside lower edge of canopy-type commercial cooking hoods shall overhang or extend a horizontal distance of not less than 6 inches (152 mm) beyond the edge of the cooking surface, on all open sides. The vertical distance between the front lower lip of the hood and the cooking surface shall not exceed 4 feet (1219 mm).

Exception: The hood shall be permitted to be flush with the outer edge of the cooking surface where the hood is closed to the appliance side by a noncombustible wall or panel.

507.13 Capacity of hoods. Commercial food service hoods shall exhaust a minimum net quantity of air determined in accordance with this section and Sections 507.13.1 through 507.13.4. The net quantity of exhaust air shall be calculated by subtracting any airflow supplied directly to a hood cavity from the total exhaust flow rate of a hood. Where any combination of extra-heavy-duty, heavy-duty, medium-duty, and light-duty cooking appliances are utilized under a single hood, the highest exhaust rate required by this section shall be used for the entire hood.

507.13.1 Extra-heavy-duty cooking appliances. The minimum net airflow for Type I hoods used for extra-heavy-duty cooking appliances shall be determined as follows:

Type of Hood	CFM per linear foot of hood
Wall-mounted canopy	550
Single island canopy	700
Double island canopy (per side)	550
Backshelf/pass-over	Not allowed 💦 💊
Eyebrow	Not allowed

For SI: 1 cfm per linear foot = 1.55 L/s per linear meter.

507.13.2 Heavy-duty cooking appliances. The minimum net airflow for Type I hoods used for heavy-duty cooking appliances shall be determined as follows:

Type of Hood	CFM per linear foot of hood
Wall-mounted canopy	400
Single island canopy	600
Double island canopy (per side)	400
Backshelf/pass-over	400
Eyebrow	Not allowed

For SI: 1 cfm per linear foot = 1.55 L/s per linear meter.

507.13.3 Medium-duty cooking appliances. The minimum net airflow for Type I hoods used for medium-duty cooking appliances shall be determined as follows:

Type of Hood	CFM per linear foot of hood	
Wall-mounted canopy	300	-
Single island canopy	500	
Double island canopy (per side)	300	
Backshelf/pass-over	300	
Eyebrow	250	

For SI: 1 cfm per linear foot = 1.55 L/s per linear meter.

507.13.4 Light-duty cooking appliances. The minimum net airflow for Type I hoods used for light duty cooking appliances and food service preparation and cooking operations approved for use under a Type II hood shall be determined as follows:

Type of Hood	CFM per linear foot of hood
Wall-mounted canopy	200
Single island canopy	400
Double island canopy (per side)	250
Backshelf/pass-over	250
Eyebrow	250

For SI: 1 cfm per linear foot = 1.55 L/s per linear meter.

507.14 Noncanopy size and location. Noncanopy-type hoods shall be located a maximum of 3 feet (914 mm) above the cooking surface. The edge of the hood shall be set back a maximum of 1 foot (305 mm) from the edge of the cooking surface.

507.15 Exhaust outlets. Exhaust outlets located within the hood shall be located so as to optimize the capture of particulate matter. Each outlet shall serve not more than a 12-foot (3658 mm) section of hood.

507.16 Performance test. A performance test shall be conducted upon completion and before final approval of the installation of a ventilation system serving commercial cooking ■ appliances. The test shall verify the rate of exhaust airflow required by Section 507.13, makeup airflow required by Section ■ 508, and proper operation as specified in this chapter. The permit holder shall furnish the necessary test equipment and de-> vices required to perform the tests.

507.16.1 Capture and containment test. The permit holder shall verify capture and containment performance of the exhaust system. This field test shall be conducted with all appliances under the hood at operating temperatures. Capture and containment shall be verified visually by observing smoke or steam produced by actual or simulated cooking, such as with smoke candles, smoke puffers, etc.

SECTION 508 COMMERCIAL KITCHEN MAKEUP AIR

508.1 Makeup air. Makeup air shall be supplied during the operation of commercial kitchen exhaust systems that are provided for commercial cooking appliances. The amount of

SECTION 506 COMMERCIAL KITCHEN HOOD VENTILATION SYSTEM DUCTS AND EXHAUST EQUIPMENT

506.1 General. Commercial kitchen hood ventilation ducts and exhaust equipment shall comply with the requirements of this section. Commercial kitchen grease ducts shall be designed for the type of cooking appliance and hood served.

506.2 Corrosion protection. Ducts exposed to the outside atmosphere or subject to a corrosive environment shall be protected against corrosion in an approved manner.

506.3 Ducts serving Type I hoods. Type I exhaust ducts shall be independent of all other exhaust systems except as provided in Section 506.3.5. Commercial kitchen duct systems serving Type I hoods shall be designed, constructed and installed in accordance with Sections 506.3.1 through 506.3.12.3.

506.3.1 Duct materials. Ducts serving Type I hoods shall be constructed of materials in accordance with Sections 506.3.1.1 and 506.3.1.2.

506.3.1.1 Grease duct materials. Grease ducts serving Type I hoods shall be constructed of steel not less than 0.055 inch (1.4 mm) (No. 16 Gage) in thickness or stainless steel not less than 0.044 inch (1.1 mm) (No. 18 Gage) in thickness.

Exception: Listed and labeled factory-built commercial kitchen grease ducts shall be installed in accordance with Section 304.1.

506.3.1.2 Makeup air ducts. Make up air ducts connecting to or within 18 inches (457 mm) of a Type I hood shall be constructed and installed in accordance with Sections 603.1, 603.3, 603.4, 603.9, 603.10 and 603.12. Duct insulation installed within 18 inches (457 mm) of a Type I hood shall be noncombustible or shall be listed for the application.

506.3.2 Joints, seams and penetrations of grease ducts. Joints, seams and penetrations of grease ducts shall be made with a continuous liquid-tight weld or braze made on the external surface of the duct system.

Exceptions:

- Penetrations shall not be required to be welded or brazed where sealed by devices that are listed for the application.
- 2. Internal welding or brazing shall not be prohibited provided that the joint is formed or ground smooth and is provided with ready access for inspection.
- 3. Listed and labeled factory-built commercial kitchen grease ducts installed in accordance with Section 304.1.

506.3.2.1 Duct joint types. Duct joints shall be butt joints or overlapping duct joints of either the telescoping or bell type. Overlapping joints shall be installed to prevent ledges and obstructions from collecting grease or interfering with gravity drainage to the intended collection point. The difference between the inside cross-sectional dimensions of overlapping sections of duct shall not exceed 0.25 inch (6 mm). The length of overlap for overlapping duct joints shall not exceed 2 inches (51 mm).

506.3.2.2 Duct-to-hood joints. Duct-to-hood joints shall be made with continuous internal or external liquid-tight welded or brazed joints. Such joints shall be smooth, accessible for inspection, and without grease traps.

Exceptions: This section shall not apply to:

- 1. A vertical duct-to-hood collar connection made in the top plane of the hood in accordance with all of the following:
 - 1.1. The hood duct opening shall have a 1-inch-deep (25 mm), full perimeter, welded flange turned down into the hood interior at an angle of 90 degrees from the plane of the opening.
 - 1.2. The duct shall have a 1-inch-deep (25 mm) flange made by a 1-inch by 1-inch (25 mm by 25 mm) angle iron welded to the full perimeter of the duct not less than 1 inch (25 mm) above the bottom end of the duct.
 - 1.3. A gasket rated for use at not less than 1,500°F (815°C) is installed between the duct flange and the top of the hood.
 - 1.4. The duct-to-hood joint shall be secured by stud bolts not less than 0.25 inch (6.4 mm) in diameter welded to the hood with a spacing not greater than 4 inches (102 mm) on center for the full perimeter of the opening. All bolts and nuts are to be secured with lockwashers.
- 2. Listed and labeled duct-to-hood collar connections installed in accordance with Section 304.1.

506.3.2.3 Duct-to-exhaust fan connections. Ductto-exhaust fan connections shall be flanged and gasketed at the base of the fan for vertical discharge fans; shall be flanged, gasketed and bolted to the inlet of the fan for side-inlet utility fans; and shall be flanged, gasketed and bolted to the inlet and outlet of the fan for in-line fans.

506.3.2.4 Vibration isolation. A vibration isolation connector for connecting a duct to a fan shall consist of noncombustible packing in a metal sleeve joint of approved design or shall be a coated-fabric flexible duct connector listed and labeled for the application. Vibration isolation connectors shall be installed only at the connection of a duct to a fan inlet or outlet.

506.3.3 Grease duct supports. Grease duct bracing and supports shall be of noncombustible material securely attached to the structure and designed to carry gravity and seismic loads within the stress limitations of the *International Building Code*. Bolts, screws, rivets and other mechanical fasteners shall not penetrate duct walls.

506.3.4 Air velocity. Grease duct systems serving a Type I hood shall be designed and installed to provide an air velocity within the duct system of not less than 1,500 feet per minute (7.6 m/s).

Exception: The velocity limitations shall not apply within duct transitions utilized to connect ducts to differently

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506.3.11 Grease duct fire-resistive access opening. Where cleanout openings are located in ducts within a fire-resistance-rated enclosure, access openings shall be provided in the enclosure at each cleanout point. Access openings shall be equipped-with tight-fitting sliding or hinged doors that are equal in fire-resistive protection to that of the shaft or enclosure. An approved sign shall be placed on access opening panels with wording as follows: "ACCESS PANEL. DO NOT OBSTRUCT."

506.3.12 Exhaust outlets serving Type I hoods. Exhaust outlets for grease ducts serving Type I hoods shall conform to the requirements of Sections 506.3.12.1 through 506.3.12.3.

506.3.12.1 Termination above the roof. Exhaust outlets that terminate above the roof shall have the discharge opening located not less than 40 inches (1016 mm) above the roof surface.

506.3.12.2 Termination through an exterior wall. Exhaust outlets shall be permitted to terminate through exterior walls where the smoke, grease, gases, vapors, and odors in the discharge from such terminations do not create a public nuisance or a fire hazard. Such terminations shall not be located where protected openings are required by the International Building Code. Other exterior openings shall not be located within 3 feet (914 mm) of such terminations.

506.3.12.3 Termination location. Exhaust outlets shall be located not less than 10 feet (3048 mm) horizontally from parts of the same or contiguous buildings, adjacent property lines and air intake openings into any building and shall be located not less than 10 feet (3048 mm) above the adjoining grade level.

Exception: Exhaust outlets shall terminate not less than 5 feet (1524 mm) from an adjacent building, adjacent property line and air intake openings into a building where air from the exhaust outlet discharges away from such locations.

506.4 Ducts serving Type II hoods. Single or combined Type II exhaust systems for food-processing operations shall be independent of all other exhaust systems. Commercial kitchen exhaast systems serving Type II hoods shall comply with Sections 506.4.1 and 506.4.2.

506.4.1 Type II exhaust outlets. Exhaust outlets for ducts serving Type II hoods shall comply with Sections 401.5 and 401.5.2. Such outlets shall be protected against local weather conditions and shall meet the provisions for exterior wall opening protectives in accordance with the International Building Code.

506.4.2 Ducts. Ducts and plenums serving Type II hoods shall be constructed of rigid metallic materials. Duct construction, installation, bracing and supports shall comply with Chapter 6. Ducts subject to positive pressure and ducts conveying moisture-laden or waste-heat-laden air shall be constructed, joined and sealed in an approved manner.

506.5 Exhaust equipment. Exhaust equipment, including fans and grease reservoirs, shall comply with Section 506.5.1

through 506.5.5 and shall be of an approved design or shall be listed for the application.

506.5.1 Exhaust fans. Exhaust fan housings serving a Type I hood shall be constructed as required for grease ducts in accordance with Section 506.3.1.1.

Exception: Fans listed and labeled in accordance with UL 762.

506.5.1.1 Fan motor. Exhaust fan motors shall be located outside of the exhaust airstream.

506.5.2 Exhaust fan discharge. Exhaust fans shall be positioned so that the discharge will not impinge on the roof, other equipment or appliances or parts of the structure. A vertical discharge fan shall be manufactured with an approved drain outlet at the lowest point of the housing to permit drainage of grease to an approved grease reservoir.

506.5.3 Exhaust fan mounting. An upblast fan shall be hinged and supplied with a flexible weatherproof electrical cable to permit inspection and cleaning. The ductwork shall extend a minimum of 18 inches (457 mm) above the roof surface.

506.5.4 Clearances. Exhaust equipment serving a Type I hood shall have a clearance to combustible construction of not less than 18 inches (457 mm).

Exception: Factory-built exhaust equipment installed in accordance with Section 304.1 and listed for a lesser clearance.

506.5.5 Termination location. The outlet of exhaust equipment serving Type I hoods, shall be in accordance with Section 506.3.12.3

Exception: The minimum horizontal distance between vertical discharge fans and parapet-type building structures shall be 2 feet (610 mm) provided that such structures are not higher than the top of the fan discharge opening.

SECTION 507 COMMERCIAL KITCHEN HOODS

507.1 General. Commercial kitchen exhaust hoods shall comply with the requirements of this section. Hoods shall be Type I or Type II and shall be designed to capture and confine cooking vapors and residues.

Exceptions:

- 1. Factory-built commercial exhaust hoods which are tested in accordance with UL 710, listed, labeled and installed in accordance with Section 304.1 shall not be required to comply with Sections 507.4, 507.7, 507.11, 507.12, 507.13, 507.14 and 507.15.
- 2. Factory-built commercial cooking recirculating systems which are tested in accordance with UL 197, listed, labeled and installed in accordance with Section 304.1 shall not be required to comply with Sections 507.4, 507.5, 507.7, 507.12, 507.13, 507.14 and 507.15.
- 3. Net exhaust volumes for hoods shall be permitted to be reduced during no-load cooking conditions, where

HOOD INFORMATION

				MAX.		E	XHAUS						SUPPL	Y PLE	NUM		HODD	HOLD CONFIG.	
		MODEL.	LENGTH	COOKING TEMP.	EXH. OFM	VIDTH	ILENG.	DIA.	CFM S.P. SUP.		SUP. CFM	VIDTH	R LENG,	ISER(S) I CFN	S.P.	CONSTRUCTION	END TO END	RUV
Γ.		7224 ND-P\$P-F	10' 0.00"Non.	450	2500	10"	12"	_		-0.399							430 SS	ALDNE	N/A
		ND-PSP-F	10' 0.50'UB	Deg.	2300	10"	12'		1250	-0.399	EIED						Where Exposed		

HOOD INFORMATION

	FILTER(S)				LIGHT(S)			UTILITY CABINE	T(S)			FIRE.	HOOD	
HOOD NO.	TYPE	OTY		LENGTH	OTV	TYPE	L'ARE	LUCATION	FI.	RE SYSTEM	ELECTRICAL	SWITC	HES.	SYSTEM	VEIGHT
TVL.6	11FE			LENGIN			GUARI		TYPE	SIZE	MODEL W	GUANTITY	LOCATION	-1-140	
1	Alum Baffle w/ Handles	6	16'	20'	3	Incondescent Light	ND						_	N	501
															LBS.

PERFORATED SUPPLY PLENUM(S)

Linn						1	RISER(S)				
HOOD NO.	POS.	LENGTH	VIDTH	HEIGHT	VIDTH	LENG.	DIA.	CFN	s.P.		
1	Front	120*	16″	6'	10*	28"		1062	0.148*		
					10"	58,		1062	0.148*		

HOOD OPTIONS

HOOD NO.	OPTION						
	BACK ST	ANDOFF	31	Vide			

09:34 AM

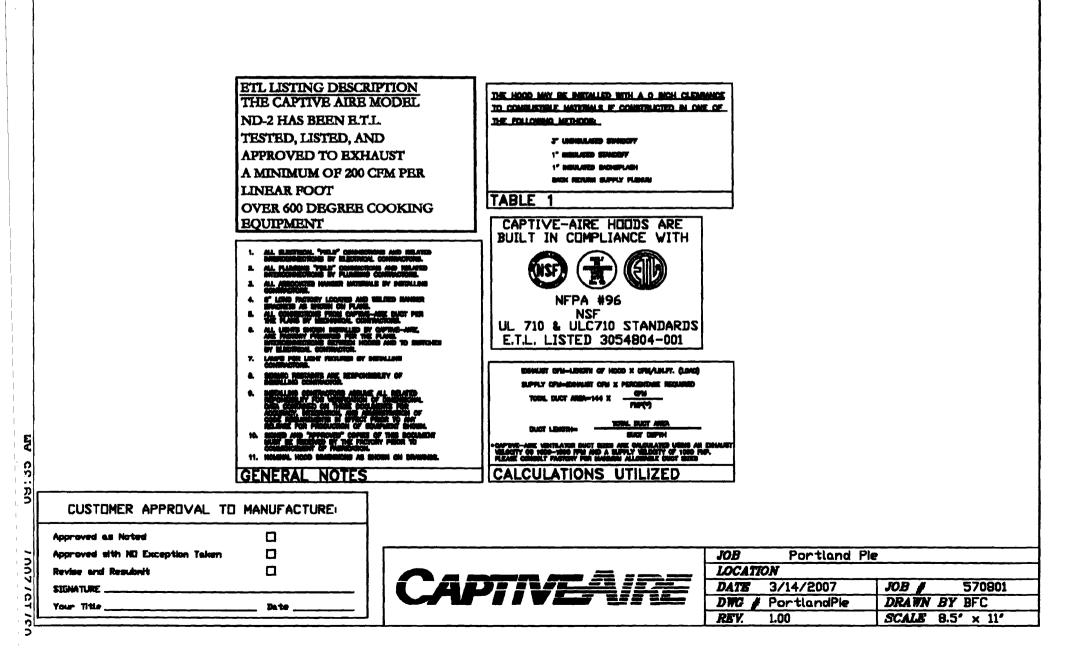
CUSTOMER APPROVAL TO MANUFACTURE

	Approved as Noted	
	Approved with NI Exception Taken	
1.002/91	Revise and Resubnit	
	SIGNATURE	
4	Your Title	Date
3E		
0		

	JOB Portland Ple LOCATION DATE 3/14/2007 JOB / 57080 DWG / PortlandPle DRAWN BY BFC	tland Ple
	LOCATION	
CAPTIVE	DATE 3/14/2	007 JOB 570801
	DWG / Portla	ndPle DRAWN BY BFC
	REV. 1.00	SCALE 8.5' × 11'

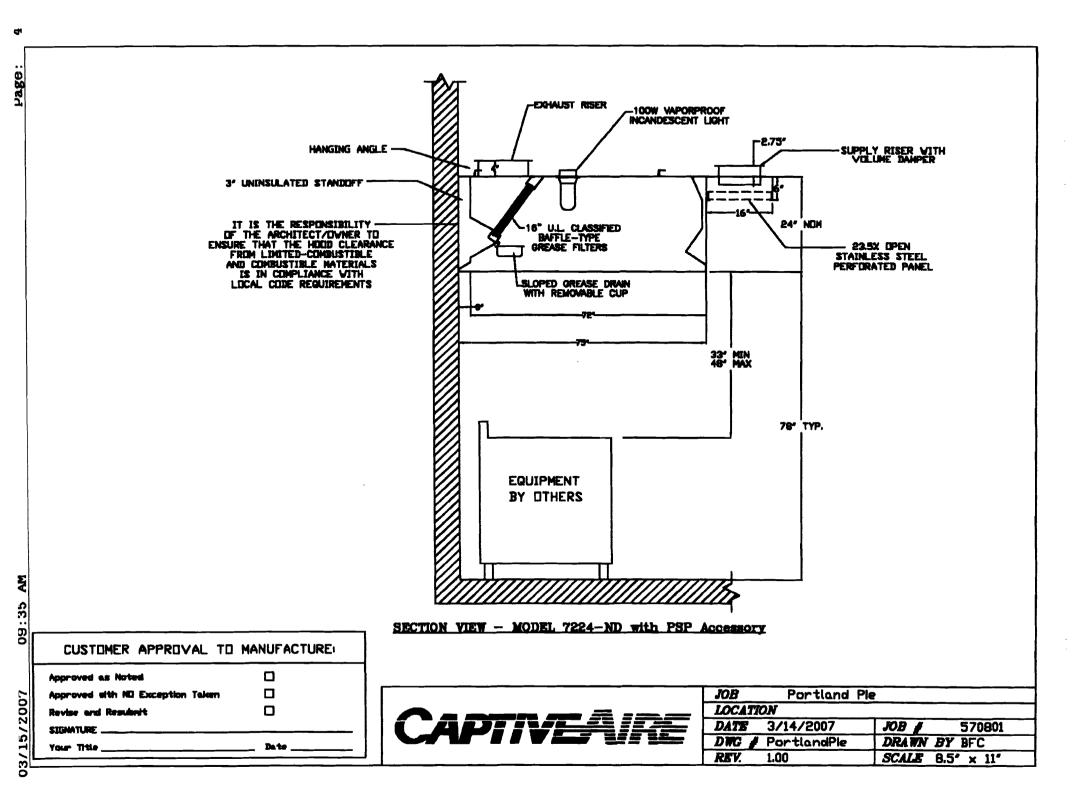
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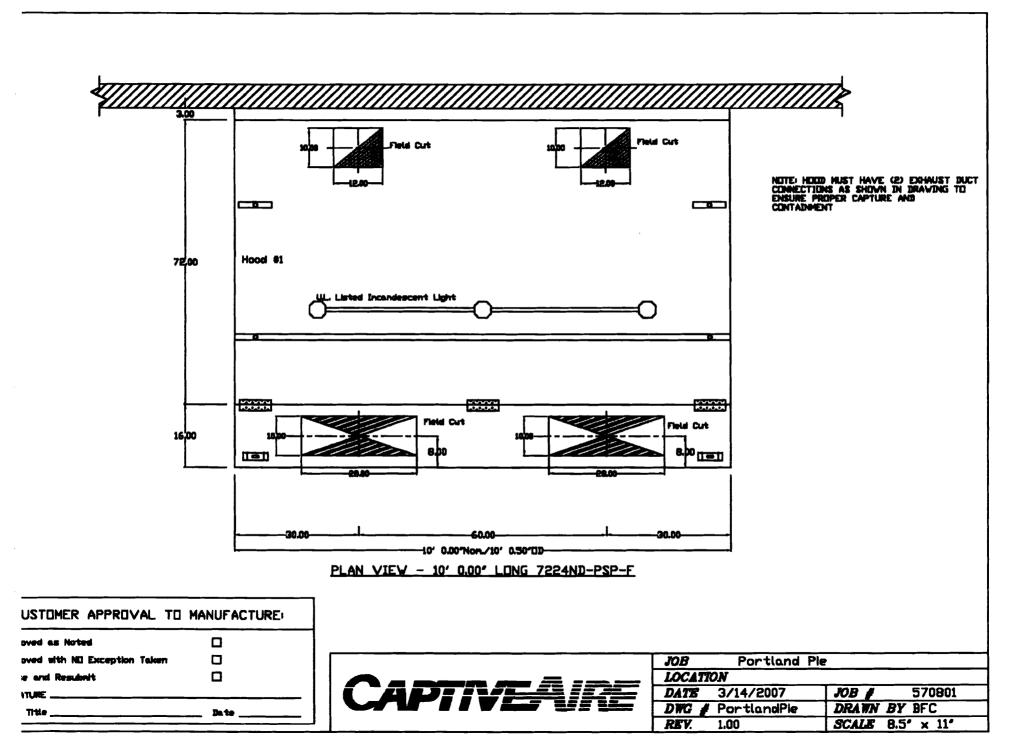
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FAN INFORMATION

ון	FAN			EXHAUST FAN									SUPPLY FAN								
	FAN UNIT NEL	FAN UNIT HODEL O	HODEL	TAG	CFM	S.P.	RPM	HP.		VOLT	FLA	BLOVER	HOUSING	TAG	CFM	S. P.	RPM	H.P.		VOLT	FLA
	1	INLINE1L-GIO										G10	INLINE.IL		2125	0.350*	918	1000	1	230	6.8
	2	NCAIGHPFA	NCAIGHPTA		2300	- 2.230	1332	2.000	1	230	12.5										

FAN OPTIONS

FAN NEL	OPTION (Qty Descr.)
1	1 - Vibration Isolation Celling Hangars for INLINE fans (set of
8	1 - Grease Box
	1 - Hinge Kit - Ships Loose for Curb Supplied by Others

FAN ACCESSORIES

FAN	FAN		EXHAUST			SUP	PLY	
UNIT NG.	UNET TAG	GREASE	GRAVITY	KOUNT	SIDE DISCHARGE	GRAVITY	MOTORIZED DAMPER	影
1					YES			
2		YES						

09:35 AM

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ő	CUSTOMER APPROVAL TO	MANUFACTURE:
I	Approved as Noted	
5	Approved with NII Exception Taken	
3/15/2007	Revise and Resubnit	
2	SIGNATURE	
Ë	Your Title	Date
е С		

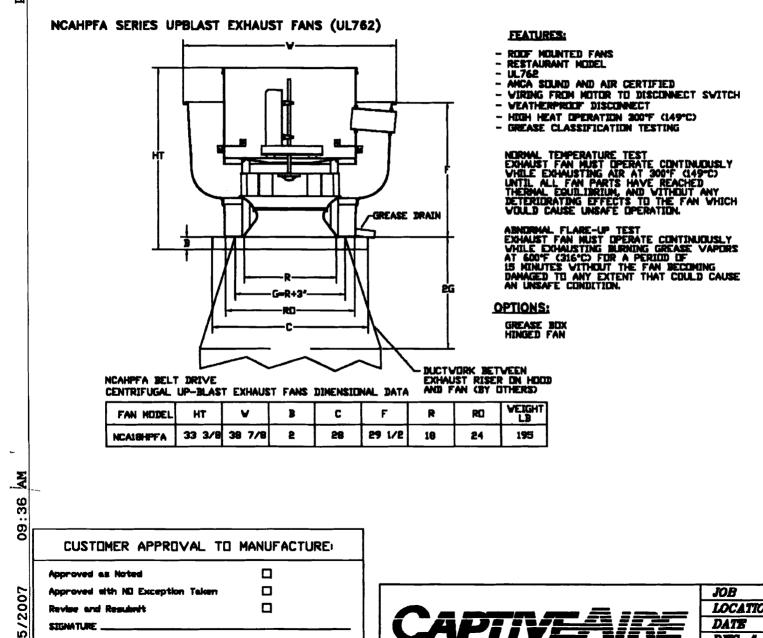
CAPTIVEAIRE	JOB Portland Ple	2
	LOCATION	
	DATE 3/14/2007	JOB / 570801
	DWG / PortlandPie	DRAWN BY BFC
	REV. 1.00	SCALE 8.5' × 11'



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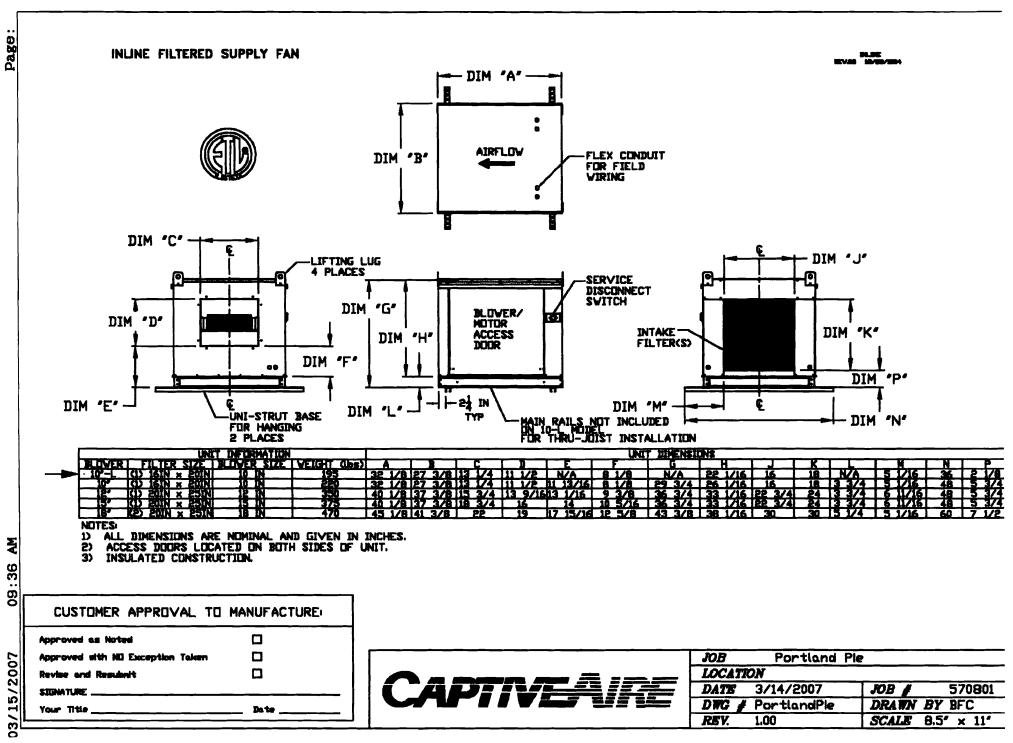
က

Your Title



Date

1	JOB	<u>Portland</u>	Pie
LOCATION			
	DATE	3/14/2007	JOB 570
	DTG #	PortlandPie	DRAWN BY BFC
	REV.	1.00	SCALE 8.5' ×



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Hood #1 (ETL LISTED, NFPA, NSF)

10 x 72" 7224ND-PSP-F - 10ft 0" Long Compensating Wall Canopy Hood with a Front

Perforated Supply Plenum (PSP) Accessory.

- 430 SS Where Exposed

- Insulation for the PSP Housing - Front

- FILTER - 16"x 20" Kleen-Gard Aluminum Baffle Filter with Handles, UL Classified

- Incandescent Light

- FIELD CUT, SHIP LOOSE - SUPPLY RISER - 10"x 28" Supply Riser with Volume Dampers

- 1/2 Pint Grease Cup New Style, Flanged Slotted

Fan #1 INLINE1L-G10 - Supply Fan

INLINE1L-G10 Low Profile InLine Supply Unit w/ 10" Blower in Size #1 Housing

Supply Fan handles 2125 CFM @ 0.350" wc. Fan runs at 918 RPM. Supply Motor: 1.000 HP, 1 Phase 230 V, 6.8 FLA, ODP (Open Drip Proof) Side Discharge - Air Flow Right -> Left

- Vibration Isolation Ceiling Hangers for Indoor Un-tempered Supply Fans (set of 4).

Fan #2 NCA18HPFA - Exhaust Fan (UL762 RATED)

NCA18HPFA High Pressure Belt Drive Centrifugal Upblast Exhaust Fan with 20.75" wheel

Exhaust Fan handles 2500 CFM @ -2.250" wc. Fan runs at 1332 RPM. Exhaust Motor: 2.000 HP, 1 Phase 230 V, 12.5 FLA, ODP (Open Drip Proof)

- GREASE CUP - Grease Cup for kitchen-duty centrifugal exhaust fans, Box Dimensions 15-3/4 L X 5-1/16 W X 3-3/4 H (18 GA.)

- HINGE KIT - Standard Hinge kit for exhaust fan roof curbs. Includes Hardware. Ships Loose. Used on Fans with wheels 24 inches or smaller. 12 GA Galvanized.

	CITY OF PORTLAND, MAINE			
at SURGAN	Department of Building Inspection			
(i) Certificate of Occupancy				
VITATIS V	LOCATION 505 Fore St	CBL 038 C016001		
Issued to Nathaniel Getchell/self	Date of Issue	12/14/2004		
This is to certify that the	building, premises, or part thereof, at the abo	ve location, built - altered		
- changed as to use under Building	g Permit No. 04-1555 , has had final inspection oning Ordinance and Building Code of the City,	, has been found to conform		
PORTION OF BUILDING OR	PREMISES APPROVED	OCCUPANCY		
first floor left	restaurant			

This certificate supersedes certificate issued

-147

Limiting Conditions:

Approved:

4

14

none

Inspector

Inspector of Buildings

. in such

use group: A2 type: 3B IBC 2003

In march between advented

Notice: This certificate identifies inwhil use of building or premises, and ought to be transferred from owner to owner when property changes hands. Copy will be furnished to owner or lessee for one dollar.