

DISPERMITS ISSUED ON PRINCIPAL FRONTAGE OF WORK

**CITY OF PORTLAND**

**RECEIVED**

SEP - 8 2010

BU...TION

**PERMIT**

Permit Number: 00937

SEP 8 2010

Please Read Application And Notes, if Any, Attached

City of Portland

This is to certify that WAYNFLETE SCHOOL THE roadway action

has permission to Replace existing damaged Kitchen Hood with new exterior ductwork to be replaced

Dept. of Building Inspections  
City of Portland Maine

AT 64 EMERY ST CP 061 G008001

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.

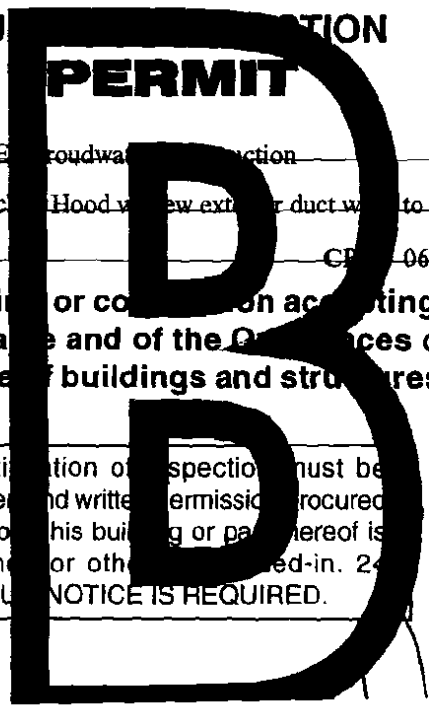
Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and written permission procured before this building or part thereof is lathed or otherwise red-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. *[Signature]*



**City of Portland, Maine - Building or Use Permit Application**

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

Permit No: 10-0937	Issue Date:	CBL: 061 G008001
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Location of Construction: 64 EMERY ST	Owner Name: WAYNFLETE SCHOOL THE	Owner Address: 360 SPRING ST	Phone:
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Business Name:	Contractor Name: Stroudwater Construction	Contractor Address: 96 Ocean St unit 1 South Portland	Phone: 2076507802
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Lessee/Buyer's Name	Phone:	Permit Type: Hood Systems, Commerical	Zone: R-6
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Past Use: Commercial - "Waynflete"	Proposed Use: Commercial - "Waynflete" - Replace existing damaged Kitchen Hood w/ new exterior duct work to be replaced	Permit Fee: \$150.00	Cost of Work: \$13,000.00	CEO District: 2	Zone: R-6 Prime R-4 Sub
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FIRE DEPT.: w/conditers 9/1/10	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: E Type: Hood Type 1 IMC-2003
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Proposed Project Description:  
Replace existing damaged Kitchen Hood w/ new exterior duct work to be replaced

Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i> 9/7/10
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PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action:  Approved  Approved w/Conditions  Denied

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Permit Taken By: Idobson	Date Applied For: 08/02/2010	<b>Zoning Approval</b>
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- 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..

<b>Special Zone or Reviews</b> <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>9/1/10</i>	<b>Zoning Appeal</b> <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: _____	<b>Historic Preservation</b> with <input type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input checked="" type="checkbox"/> Approved <i>(in-kind replacement)</i> <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>8/30/10</i>
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**PERMIT ISSUED**

SEP - 8 2010

City of Portland

**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
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RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE	DATE	PHONE
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**City of Portland, Maine - Building or Use Permit Application**

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

Permit No: 10-0937	Issue Date:	CBL: 061 G008001
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Location of Construction: 64 EMERY ST	Owner Name: WAYNFLETE SCHOOL THE	Owner Address: 360 SPRING ST	Phone:
Business Name:	Contractor Name: Stroudwater Construction	Contractor Address: 96 Ocean St unit 1 South Portland	Phone: 2076507802
Lessee/Buyer's Name	Phone:	Permit Type: Hood Systems, Commerical	Zone: R-6

Past Use: Commercial - "Waynflete"	Proposed Use: Commercial - "Waynflete" - Replace existing damaged Kitchen Hood w/ new exterior duct work to be replaced	Permit Fee: \$150.00	Cost of Work: \$13,000.00	CEO District: 2	PRELIM R-4 Sub
		FIRE DEPT: w/conditions 9/11/10	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied INSPECTION: Use Group: E Type: Hood IMC-2003 Signature: JMB 9/7/10		

Proposed Project Description: Replace existing damaged Kitchen Hood w/ new exterior duct work to be replaced	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</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: 08/02/2010	<b>Zoning Approval</b>
-----------------------------	---------------------------------	------------------------

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<b>Special Zone or Reviews</b> <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>[Signature]</i> 9/11/10	<b>Zoning Appeal</b> <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: _____	<b>Historic Preservation</b> WITHIN <input type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input checked="" type="checkbox"/> Approved (Six-kind replacement) <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: 8/30/10 <i>[Signature]</i>
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**PERMIT ISSUED**

SEP - 8 2010

City of Portland

**CERTIFICATION**

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SIGNATURE OF APPLICANT \_\_\_\_\_ ADDRESS \_\_\_\_\_ DATE \_\_\_\_\_ PHONE \_\_\_\_\_

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE \_\_\_\_\_ DATE \_\_\_\_\_ PHONE \_\_\_\_\_

## **BUILDING PERMIT INSPECTION PROCEDURES**

**Please call 874-8703 or 874-8693 (ONLY )  
or email: [buildinginspections@portlandmaine.gov](mailto:buildinginspections@portlandmaine.gov)**

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the City of Portland Inspection Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months, if the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue with construction.**

**Framing/Rough Plumbing/Electrical: Prior to Any Insulating or drywalling**

**Final inspection required at completion of work.**

**The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.**

**IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.**

**City of Portland, Maine - Building or Use Permit**

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

Permit No: 10-0937	Date Applied For: 08/02/2010	CBL: 061 G008001
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Location of Construction: 64 EMERY ST	Owner Name: WAYNFLETE SCHOOL THE	Owner Address: 360 SPRING ST	Phone:
Business Name:	Contractor Name: Stroudwater Construction	Contractor Address: 96 Ocean St unit 1 South Portland	Phone (207) 650-7802
Lessee/Buyer's Name	Phone:	Permit Type: Hood Systems, Commerical	

Proposed Use: Commercial - "Waynflete" - Replace existing damaged Kitchen Hood w/ new exterior duct work to be replaced	Proposed Project Description: Replace existing damaged Kitchen Hood w/ new exterior duct work to be replaced
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Dept: Historic	Status: Approved	Reviewer: Deborah Andrews	Approval Date: 08/30/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
Dept: Zoning	Status: Approved with Conditions	Reviewer: Marge Schmuckal	Approval Date: 08/11/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
<ol style="list-style-type: none"> <li>1) ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.</li> <li>2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.</li> </ol>			
Dept: Building	Status: Approved with Conditions	Reviewer: Jeanine Bourke	Approval Date: 09/07/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
<ol style="list-style-type: none"> <li>1) Equipment must be installed in compliance per the manufacturer's specifications</li> <li>2) The hood, duct and exhaust shall be installed per IMC 2003 and NFPA 96 This permit is approved based on the plans submitted. Reductions in the cleaances are approved based on the application of a UL approved fire wrap or equivalent assembly per code.</li> <li>3) Separate permits are required for any electrical, plumbing, sprinkler, fire alarm HVAC systems, heating appliances, including pellet/wood stoves, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.</li> <li>4) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approrval prior to work.</li> </ol>			
Dept: Fire	Status: Approved with Conditions	Reviewer: Ben Wallace Jr.	Approval Date: 09/01/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
<ol style="list-style-type: none"> <li>1) Install shall comply with NFPA 96. A compliance letter is required</li> </ol>			

**Comments:**

8/31/2010-gg: received from historic on 08-31-10. /gg



# 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>64 EMELY ST. PORTLAND.</u>		
Total Square Footage of Proposed Structure/Area	Square Footage of Lot	Number of Stories
Tax Assessor's Chart, Block & Lot Chart# <u>61</u> Block# <u>6</u> Lot# <u>8</u>	Applicant * <u>must</u> be owner, Lessee or Buyer* Name <u>WAIN FLETE SCHOOL</u> Address <u>360 SPRING ST</u> City, State & Zip <u>PORTLAND, ME 04102</u>	Telephone:
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name <u>SAME</u> Address City, State & Zip	Cost Of Work: \$ <u>13,000.<sup>00</sup></u> C of O Fee: \$ _____ Total Fee: \$ <u>1.50</u>
Current legal use (i.e. single family) <u>SCHOOL</u> Number of Residential Units _____ If vacant, what was the previous use? _____ Proposed Specific use: _____ Is property part of a subdivision? _____ If yes, please name _____ Project description: <u>REPLACE EXISTING DAMAGED KITCHEN HOOD WITH NEW - EXTERIOR DUCTWORK WORK TO BE REPLACED - "LIKE FOR LIKE"</u>		
Contractor's name: <u>STROUDWATER CONST. CO.</u> Address: <u>96 OCEAN ST UNIT 1 <del>SOUTH</del></u> City, State & Zip <u>SOUTH PORTLAND</u> Telephone: <u>767-9111</u> Who should we contact when the permit is ready: <u>DAVID CIMINO</u> Telephone: <u>650-7802</u> Mailing address: <u>SAME</u>		

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

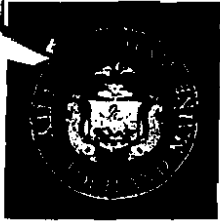
In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at [www.portlandmaine.gov](http://www.portlandmaine.gov), or stop by the Inspections Division office, room 315 City Hall or call 844-9303.

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: [Signature]

Date: 6-7-10

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



# PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life - [www.portlandmaine.gov](http://www.portlandmaine.gov)

Lee Urban - Director of Planning and Development  
Jeanie Bourke - Inspection Division Services 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? \_\_\_\_\_ If Other, what Type? \_\_\_\_\_

Is the duct work Stainless steel or other type of steel? \_\_\_\_\_ If Other, what type? CALVANIZED - WELDED LIQUID TIGHT.

Thickness of the steel for the hood 18 GA.

Thickness of the duct for the hood 16 GA

Type of Hood and Duct Supports

STEEL LAG BOLTS & STEEL BRACKETS.

Type of seams and Joints WELDED - LIQUID TIGHT.

Grease Gutters provided? Yes.

Hood Clearance reduction to Combustibles design /specs: 2' Lower to FIRE CODE S.R. SANDWICH ON OTHER SIDE OF METAL STUD (metal)

Duct Clearance reduction to Combustibles design /specs: SAME -

Vibration Isolation System: NO.

Air Velocity within the duct system 1805 FPM

Grease accumulation prevention system: HOOD FILTER & GREASE CATCHER.

Cleanouts Yes.

Grease Duct enclosure N/A.

Exhaust Termination Roof \_\_\_\_\_ Wall ✓

Fire Suppression System UL300.

Exhaust fan mounting and clearance from the roof / wall or Combustibles: PER NFPA 96 - REPLACING EXISTING - LIKE FOR LIKE.

Exhaust fan distance from property lines 10' +

Exhaust fan distance from other vents or openings 10' L.R. ABOVE CRANK.

Exhaust fan distance from adjacent buildings 10' ++

Exhaust fan height above adjoining grade 16'

**Hood Specs**

Style of Hood CANOPY.

Type of Filter BAFFLE - STEEL.

Height of filter above nearest cooking surface 40" +

Capacity of hood CFM 2400

Make up Air system description and capacity  
UNTEMPERED, COMPENSATING MAKE UP AIR.  
1440 CFM





Commercial Cooking &amp; Industrial Ventilation Systems

33 Airport Road  
Newport, Vermont 05855  
www.nevtecd.com

800 8 NEVTEC (863 8832)  
fax 802 334 6611  
802 334 7800

Fax to: 1-207-767-9110

July 30, 2010

Stroudwater Construction Co. Inc.  
96 Ocean St. Unit 1  
South Portland, ME 04106

Re: Kitchen hood ventilation  
Waynelete School  
~~360 Spring St.,~~ Portland, ME

64 EM 117

Enclosed are drawings and specifications as follows:

1. Drawing KV-1 - plan view
2. Drawing KV-2 - section @ hood exhaust duct
3. Drawing KV-3 - section @ make-up air unit
4. Drawing KV-4 - exterior front elevation
5. Drawing KV-5 - hood fastening detail
6. Electrical specifications
7. 10'x42" hood detail
8. Exhaust blower detail (2 pages)
9. Make-up air unit detail

Notes:

1. Note that the new hood and duct locations are the same as the system being replaced (like for like).
2. All combustibles within 18" of the hood and exhaust duct system to be protected as approved.
3. The fasteners for hanging the ventilation hoods will be as follows:
  - a. 5/16" masonry anchors will be used to secure the hood to the back wall.
  - b. 16 ga steel hanger brackets will be used to hang the hood. The hangers will be attached to the hood, and be supported from the ceiling structure above with 5/16" x 5" lag bolts.

Note the following work to be done by others:

1. Electrical - see specifications attached.
2. Site preparation for the kitchen hood system:
  - a. Any combustibles within 18" of the hood and duct system to be protected as approved.

- b. Remove all piping and conduit in the proposed path of the 8' hood system.
- c. Provide new fire rated ceiling above the proposed hood location.
- d. Demo and remove existing hood and duct system.
- e. Remove existing window and framing in the existing opening.

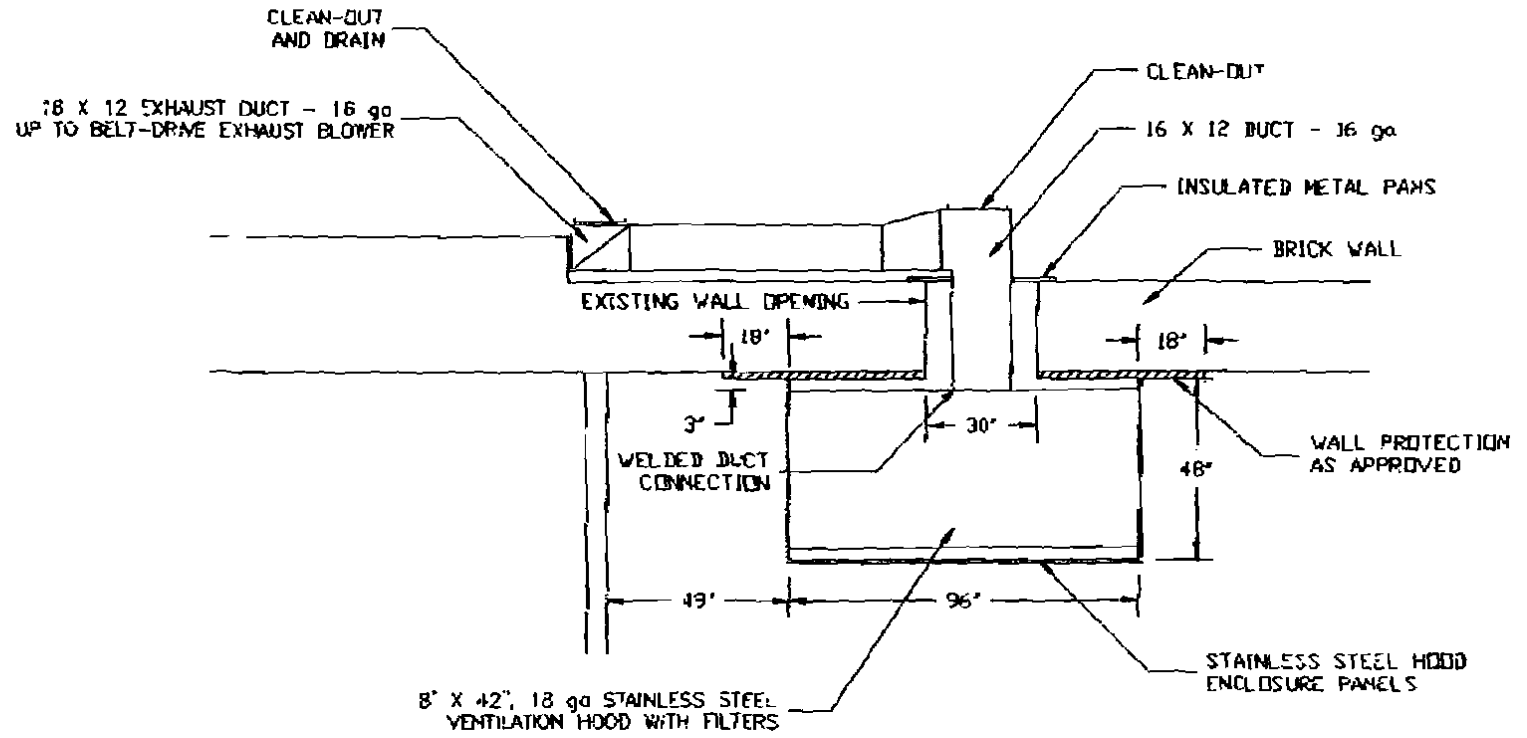
3. Fire suppression system - to be installed after the hood is in place. The fire suppression installer typically will furnish the gas shut-off valve, which would be installed by the gas company or plumber.

A hard copy to follow in the mail. An extra set of drawings will be provided, which may be submitted to the local authority having jurisdiction.

Please call if you have any questions regarding the proposed plans.

Sincerely,



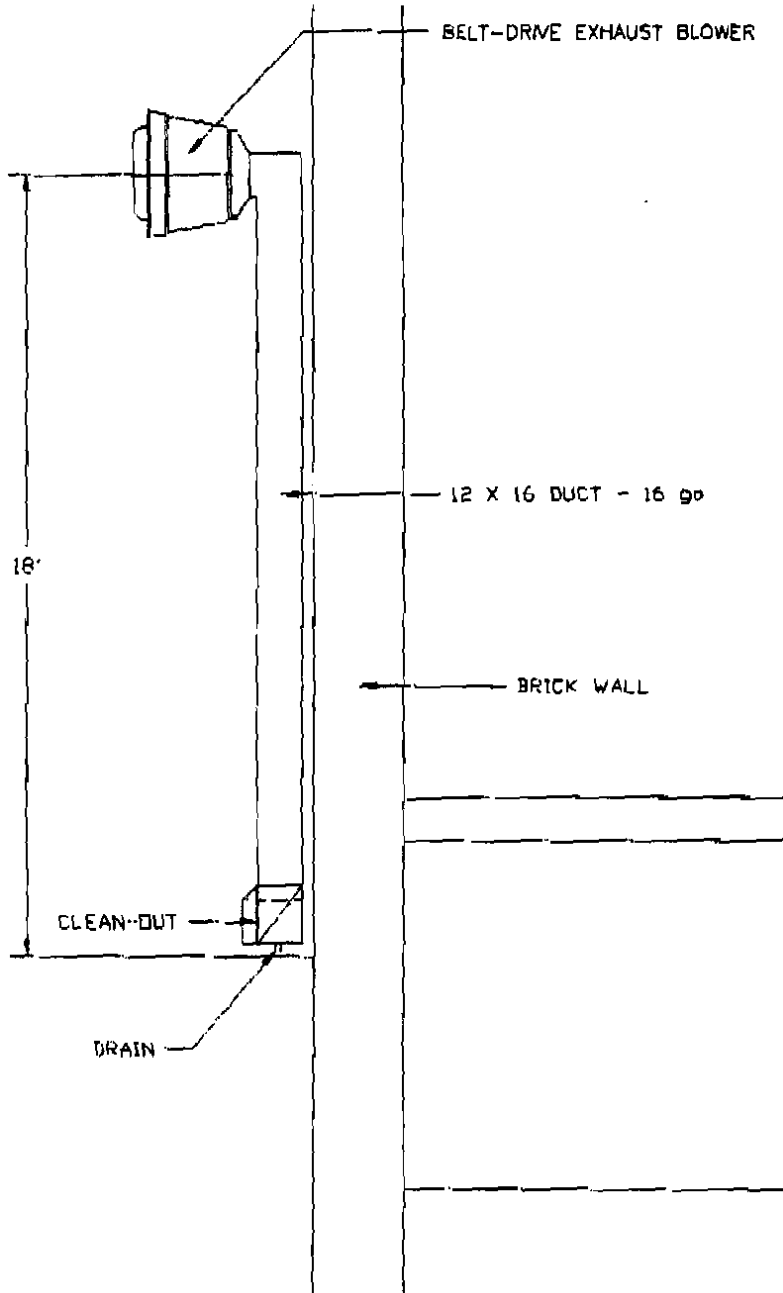


- NOTES:
1. AN APPROVED FIRE SUPPRESSION SYSTEM TO BE INSTALLED.
  2. 2 - HEPA APPROVED LIGHTS TO BE INCLUDED WITH HOOD.

WAYNFLETE SCHOOL PORTLAND, ME		
SCALE 1/4" = 1'-0"	DATE 7-28-10	DRAWN BY RDD
KITCHEN HOOD VENTILATION SYSTEM PLAN VIEW		
		DRAWING NUMBER KV-1



NEW ENGLAND VENTILATION TECHNOLOGIES



WAYNFLETE SCHOOL  
PORTLAND, ME

SCALE 1/4" = 1'-0" DATE 7-28-10 DRAWN BY RDD

KITCHEN HOOD VENTILATION SYSTEM  
SECTION @ EXHAUST DUCT

DRAWING NUMBER  
KV-2

NEW ENGLAND VENTILATION TECHNOLOGIES

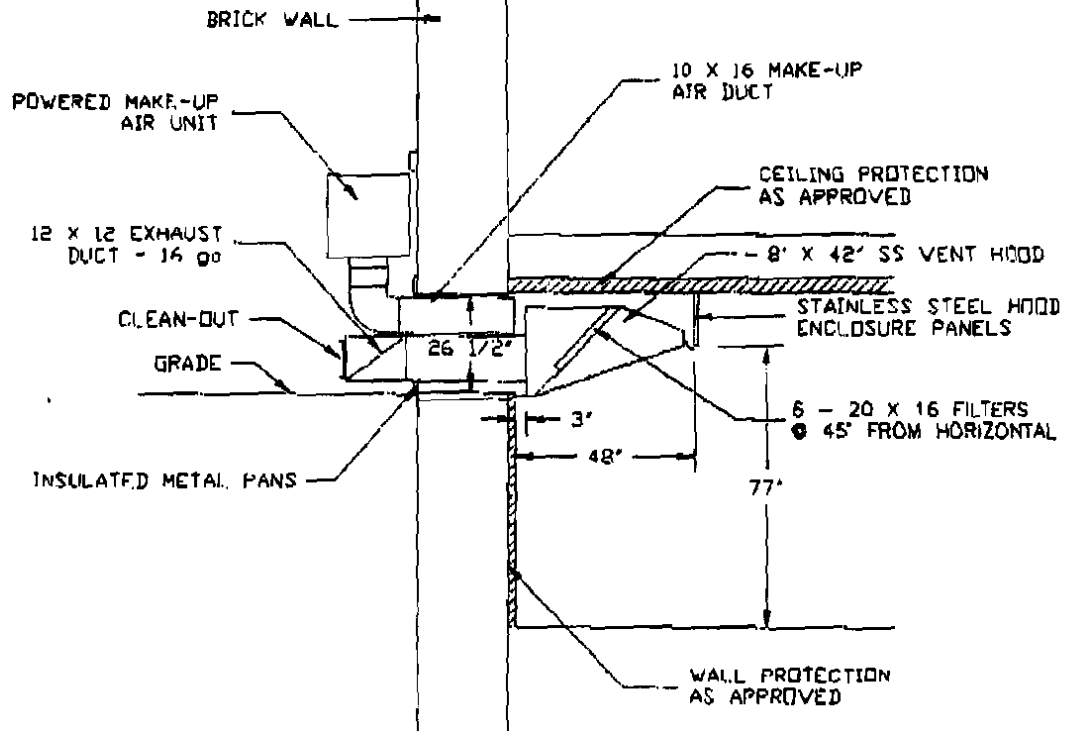


WAYNFLETE SCHOOL  
PORTLAND, ME

SCALE 1/4" = 1'-0" DATE 7-28-10 DRAWN BY RDD

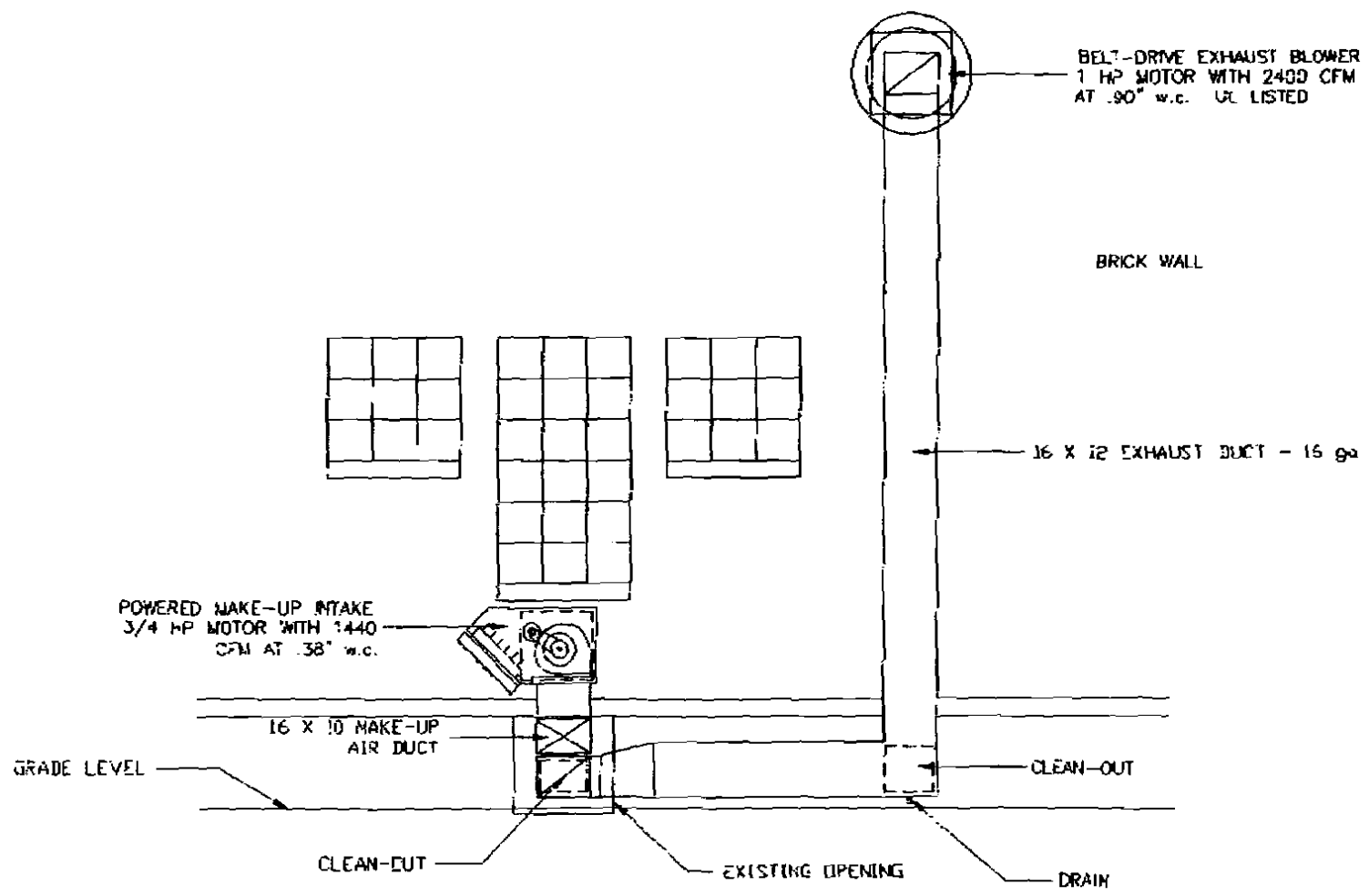
KITCHEN HOOD VENTILATION SYSTEM  
SECTION @ MAKE-UP AIR UNIT

DRAWING NUMBER  
KV-3



NEW ENGLAND VENTILATION TECHNOLOGIES

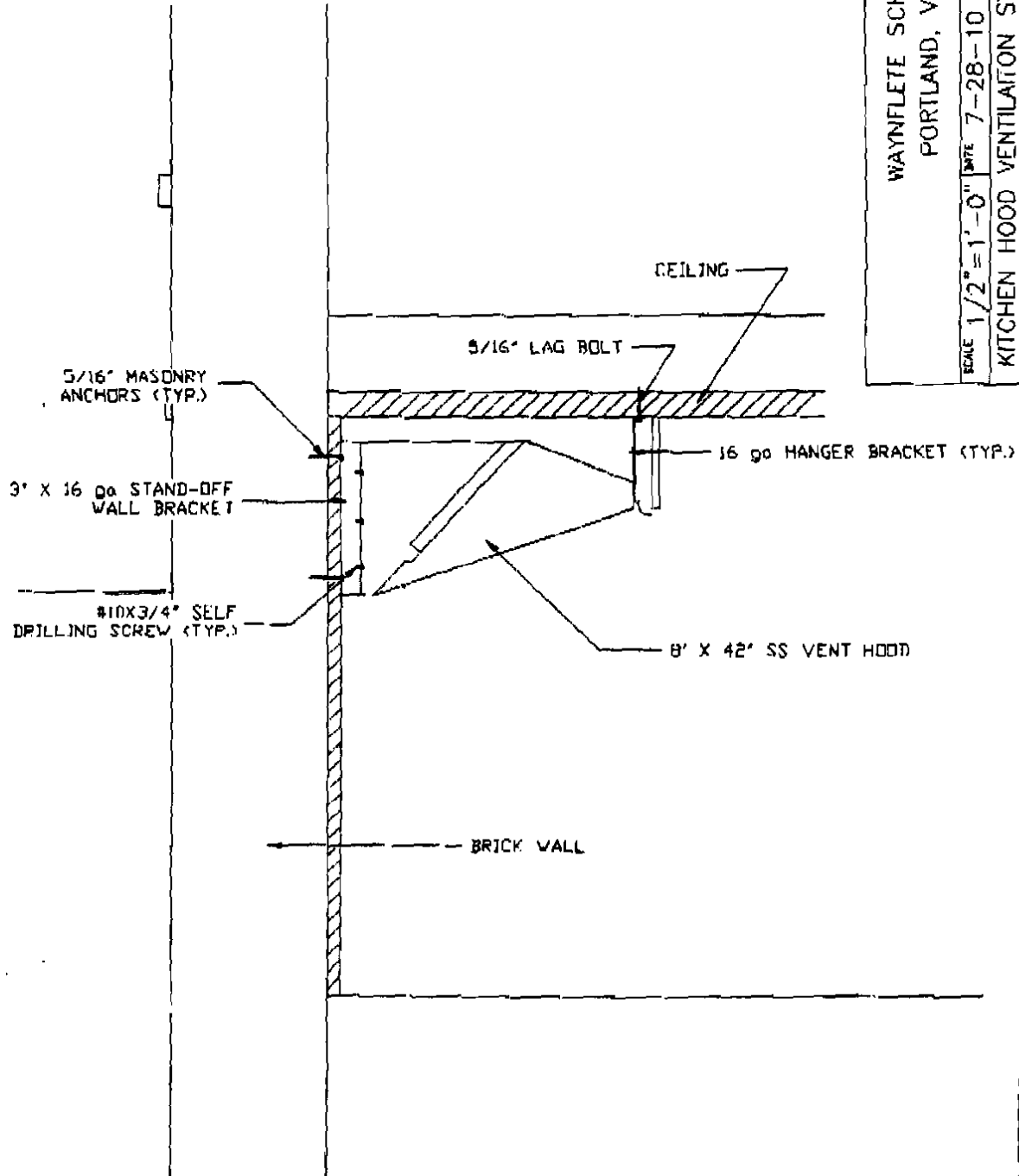




WAYNFLETE SCHOOL		
PORTLAND, ME		
SCALE 1/4" = 1'-0"	DATE 7-28-10	DRAWN BY RDD
KITCHEN HOOD VENTILATION SYSTEM		
EXTERIOR ELEVATION		
		DRAWING NUMBER
		KV-4



NEW ENGLAND VENTILATION TECHNOLOGIES



WAYNFLETE SCHOOL  
 PORTLAND, VT

SCALE 1/2" = 1'-0" DATE 7-28-10 DRAWN BY RDD

KITCHEN HOOD VENTILATION SYSTEM  
 HOOD FASTENING DETAIL

DRAWING NUMBER  
 KV-5

NEW ENGLAND VENTILATION TECHNOLOGIES





Commercial Cooking &amp; Industrial Ventilation Systems

33 Airport Road  
Newport, Vermont 05855  
www.nevtecltd.com

800 8 NEVTEC (863 8832)  
fax 802 334 6611  
802 334 7800

July 28, 2010

Stroudwater Construction Co. Inc.  
96 Ocean St. Unit 1  
South Portland, ME 04106

Re: Kitchen hood ventilation  
Waynelete School  
360 Spring St., Portland, ME

### Electrical Specifications

#### Hood 8' x 42"

<u>Exhaust Blower</u>	1 HP/208V/3 phase/1 speed motor 3.3 FLA.
<u>Supply Blower</u>	1 HP/208V/3 phase/1 speed motor 2.7 FLA.

#### Notes:

1. Two AC inverters (variable frequency drives) to be furnished (by Nevtec) to control the exhaust and make-up air blowers for variable speed operation. A fused disconnect is required for each inverter.

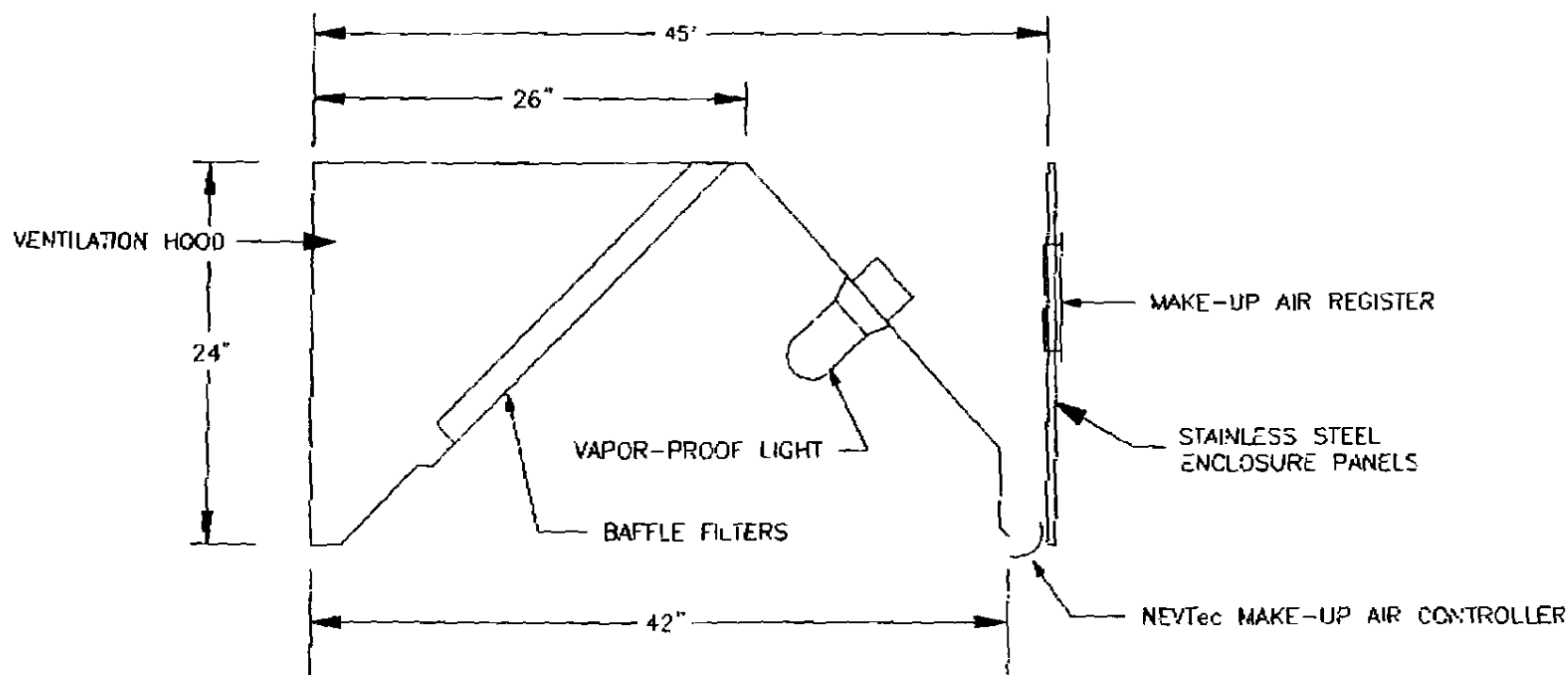
Input: 1 or 3 phase, 200-230V, 50-60Hz  
Output: 3 phase, 3-wire, 200-230V

2. Provide electrical connections to all blowers. Each motor is pre-wired to an external weatherproof box, located on the exterior of the blower housing. A service switch is provided at each blower. All other electrical materials required, including disconnects, are to be furnished by the electrical contractor.
3. The supply blower to shut down upon activation of the fire suppression system. Exhaust blower to continue operating.
4. The 8' hood will have 2 lights, which will need to be wired. Conduit is run between the junction boxes of each light fixture. Switch for the hood lights to be supplied by the electrical contractor.

Please call if you have any questions regarding the electrical specifications.

  
Rod Davis





1. 8' x 42", 18 ga. STAINLESS STEEL VENTILATION HOOD.
2. ACCESSORIES INCLUDE (2) UL RATED VAPOR PROOF LIGHTS, (6) 20 X 16 SS FILTERS, AND ENCLOSED GREASE CONTAINER.
3. FILTER SYSTEM IS COMPLETELY REMOVABLE FOR CLEANING.
4. EXTERNAL SEAMS AND JOINTS HAVE A LIQUID TIGHT, CONTINUOUS WELD.
5. HOODS BUILT TO NFPA 96 AND UL STANDARDS.
6. UL LISTED GREASE FILTERS INSTALLED AT A 45° ANGLE.
7. DESIGNED TO RECEIVE STAINLESS STEEL ENCLOSURE PANELS TO ENCLOSE HOOD PERIMETER.



NEW ENGLAND VENTILATION TECHNOLOGIES

WAYNFLETE SCHOOL PORTLAND, ME		
SCALE	NOT TO SCALE	DATE
		7-28-10
DESIGNED BY	RDD	
KITCHEN VENTILATION HOOD DETAIL - SECTION, WALL CANOPY W/ SS ENCLOSURE PANELS		
DRAWING NUMBER		ENG\HOOD-D1L



**BDU15**

136.75 lbs

Belt Drive Centrifugal Upblast Exhaust Fan with 18.75" wheel

**Motor**

Model 001180S3EE55-48PP - 1 HP - 3 Phs - 208-230/480 V - 3.3-3.3/1.7 FLA - 60 Hz - ODP (Open Drip Proof)

**Performance**

Volume: 2400 cfm

SP: 0.8" w.g.

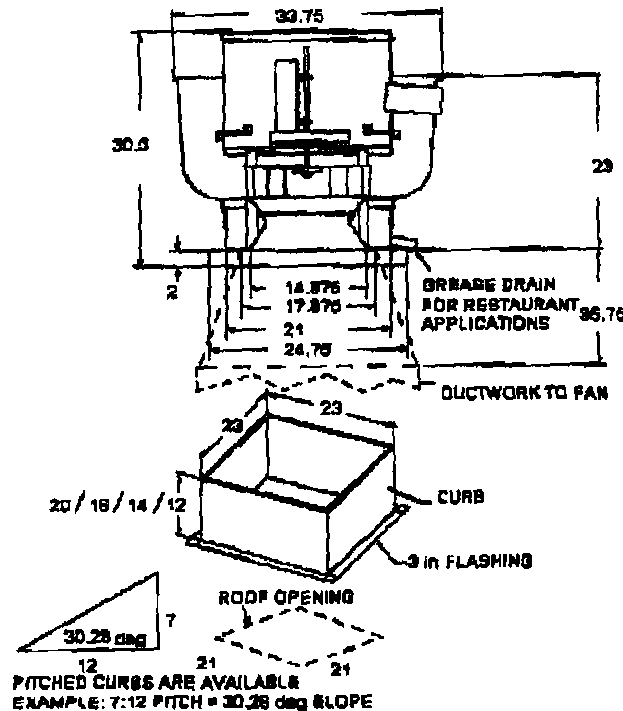
BHP: 0.6477

RPM: 1289

Tip Speed: 6315 ft/min

**Construction Features**

Housing constructed of heavy gauge aluminum • Centrifugal backward inclined, non-overloading wheel built out of 3003-H14 aluminum • Weatherproof safety disconnect switch • Grease spout welded to housing • Vibration isolators • Adjustable pitch drive assemblies • Adjustable motor mount • Ball bearing motors • Forces fresh air through motor to ensure long motor life • Corrosion resistant fasteners • Thermal overload protection • High heat operation (300 °F) • Rated for restaurant and general ventilation applications • Grease classification tested • UL705 and UL782



All dimensions nominal and in inches.

Rated for restaurant and general ventilation applications.

Curb for restaurant applications to be 20" high and vented.

Do not use backdraft damper or birdscreen on kitchen applications.



**BDU15** 136.75 lbs  
Belt Drive Centrifugal Upblast Exhaust Fan with 15.75" wheel

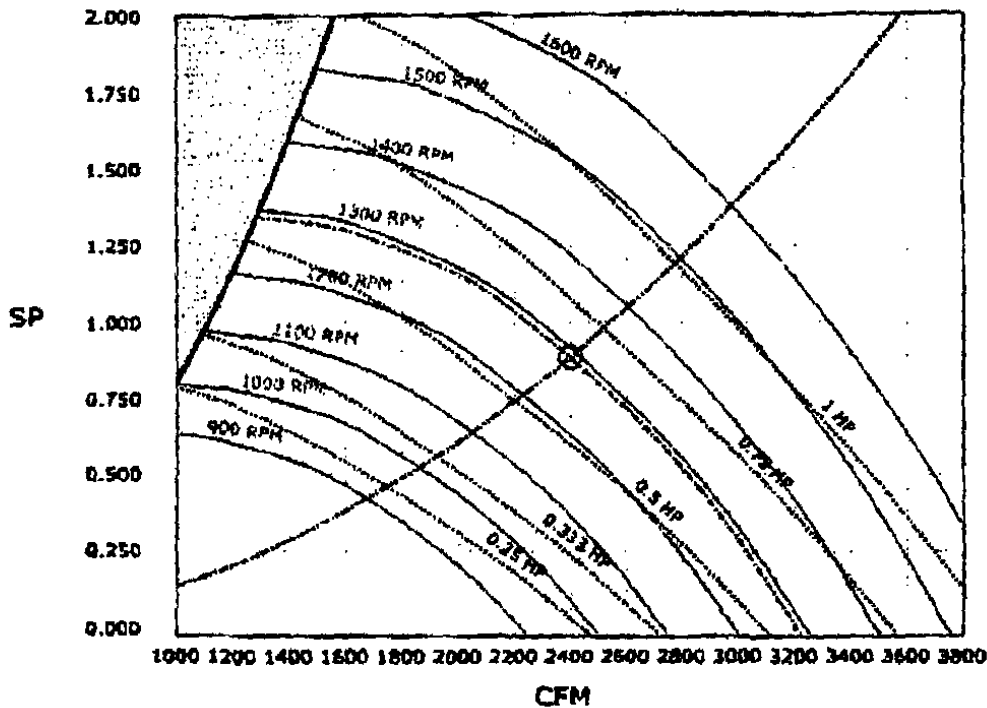
**Motor**

Model 001180S3EE68-48PP • 1 HP • 3 Phs • 208-230/460 V • 3.3-3.3/1.7 FLA • 60 Hz • ODP (Open Drip Proof)

**Performance**

Volume: 2400 cfm  
SP: 0.9" w.g.  
BHP: 0.8477  
RPM: 1289  
Tip Speed: 6315 ft/min

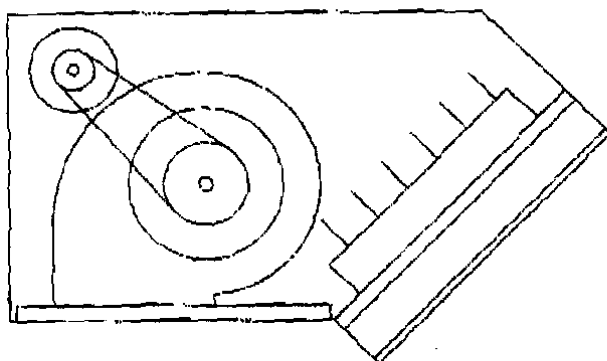
2400 CFM, 0.9 SP @ 1289 RPM and 0.723 BHP at 0 feet and 70 deg F  
\* Please note that these curves were adjusted for job specific temperature and altitude.



**Sound Data**

Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7	Oct 8	Sones	LwA	dBA
68.7	68	66.7	75.4	69.1	66.3	58	55.2	17.1	81	69.5

## NEVTEC MAKE-UP AIR BLOWERS CUSTOMIZED FOR EACH APPLICATION



### CONSTRUCTION FEATURES:

1. 22 ga GALVANIZED STEEL CONSTRUCTION
2. ACCESS PANEL FOR CONVENIENT MOTOR & DRIVE SERVICING
3. UL LISTED BELT-DRIVEN BLOWER WITH ADJUSTABLE SPEED PULLEY
4. INCLUDES A MOTORIZED DAMPER & REMOVABLE FLYSCREEN
5. ROOF CURB OR WALL MOUNTED
6. PRE-LUBRICATED BALL BEARING MOTOR
7. PRE-WIRED DISCONNECT SWITCH
8. AVAILABLE IN ONE, TWO AND VARIABLE SPEED MOTORS

WHEEL DIA.	CFM AIR DELIVERY AT RPM SHOWN							FAN RPM	HP
	1/8" SP	1/4" SP	3/8" SP	1/2" SP	5/8" SP	3/4" SP	7/8" SP		
770 11 7/16"	1950	1350	-----	-----	-----	-----	-----	500	1/4
	2075	1575	-----	-----	-----	-----	-----	527	1/3
	2525	2225	1700	-----	-----	-----	-----	517	1/2
	2875	2625	2275	1700	-----	-----	-----	690	3/4
	3300	3100	2875	2525	2050	-----	-----	782	1
	3750	3575	3375	3150	2825	2400	2400	874	1 1/2
	-----	-----	-----	-----	-----	-----	-----	-----	-----
507 12 1/2"	2950	2625	1300	-----	-----	-----	-----	500	1/2
	3325	3100	2600	-----	-----	-----	-----	556	3/4
	3750	3550	3250	2700	-----	-----	-----	617	1
	4475	4325	4150	3900	3500	2750	-----	728	1 1/2
	-----	-----	-----	4625	4400	4050	3600	819	2
	-----	-----	-----	5150	5000	4800	4475	893	3
	-----	-----	-----	-----	-----	-----	-----	-----	-----

# NEVTEC

## NEW ENGLAND VENTILATION TECHNOLOGIES

667 EAST MAIN STREET  
NEWPORT, VERMONT 05855

PHONE (802) 334-7800 ENG\MUA-SUB  
FAX (802) 334-6611

# CITY OF PORTLAND, MAINE

Department of Building Inspections

## Original Receipt

8-2-20 10

Received from

Stroudwater Const

Location of Work

67 Emery St

Cost of Construction

\$

Building Fee

Permit Fee

\$

Site Fee

Certificate of Occupancy Fee

Total

150

Building (3)

Plumbing (15)

Electrical (12)

Site Plan (12)

Other

CEL

4169

Check #

4995

Total Collected

150

No work is to be started until permit issued.  
Please keep original receipt for your records.

Taken by

P. P.

White - Applicant's Copy

Yellow - Office Copy

Blue - Building Copy