City of Portland, Maine - Building or Use Permit Application

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

PERMIT ISSUED
JAN 3 2006
CITY OF PORTLAND

Permit No:	Issue Date:	CBL:
05-0444		013 K028001

Location of Construction:	Owner Name:	Owner Address:	Phone:
117 Sheridan St	Fort Sumner Llc	12 Simonton St	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Pine State Plumbing & Heating	PO Box 6308 Scarborough	2073212261
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		HVAC	R6

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
Condo	Condo install a Luna Wall hung boiler	$399.00	$41,600.00	1

FIRE DEPT: ☑ Approved ☐ Denied
To Code
Signature: Greg Cass

INSPECTION:
Use Group: R2 Type: HVAC
Signature: JMB 12/19/05

Proposed Project Description:
Install a Luna Boiler wall hung

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)
Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied
Signature: Date:

Permit Taken By:	Date Applied For:
dmartin	04/21/2005

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
3. 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..

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland	☐ Variance	☒ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☐ MM ☐	☐ Denied	☐ Denied
Date: JMB 12/19/05	Date:	Date: JMB

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

13 K 028

FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT
HEATING OR POWER EQUIPMENT

PERMIT ISSUED
JAN - 3 2006
CITY OF PORTLAND

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL 117 SHERIDAN ST. Use of Building CONDO'S Date 4-14-05

Name and address of owner of appliance FORT SUMNER LLC
12 SIMONTON ST SO. PORTLAND ME. 04106

Installer's name and address PINE STATE PEH
5 INDUSTRY RD SO. PORTLAND ME. Telephone 321-2262

Location of appliance:
- ☑ Basement ☑ Floor
- ☐ Attic ☐ Roof

Type of Fuel:
☑ Gas ☐ Oil ☐ Solid

#9

Appliance Name: LUNA WALL HUNG BOILERS
U.L. Approved ☑ Yes ☐ No

Will appliance be installed in accordance with the manufacture's installation instructions? ☑ Yes ☐ No

IF NO Explain: _____

The Type of License of Installer:
- ☐ Master Plumber # _____
- ☐ Solid Fuel # _____
- ☐ Oil # _____
- ☑ Gas # PNT1197
- ☐ Other _____

Type of Chimney:
- ☐ Masonry Lined
  Factory built _____
- ☐ Metal
  Factory Built U.L. Listing # _____
- ☑ Direct Vent
  Type _____ UL# _____

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
APR 19 2006
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Type of Fuel Tank
- ☐ Oil
- ☑ Gas

Size of Tank N/A

Number of Tanks _____

Distance from Tank to Center of Flame _____ **feet.**

Cost of Work: $ 41,600.00

Permit Fee: $ 399.00

Approved

Fire: _____
Ele.: _____
Bldg.: SMB

Approved with Conditions

☐ See attached letter or requirement

_____ Inspector's Signature

_____ Date Approved

Signature of Installer Terrance L. Davis x 109

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy

JK 10663

Pine State Plumbing & Heating
PO Box 6308
Scarborough, ME 04070-6308
TEL: 207-321-2261
FAX: 207-780-0696 – Contract Sales

Fax

To: JEANNIE From: TERRY

Fax: Pages: 6

Phone: Date:

Re: CC:

☐ Urgent ☑ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
DEC 19 2005
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www.pinstatesuddenservice.com

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Permit No:	Date Applied For:	CBL:
05-0444	04/21/2005	013 K028001

Location of Construction:	Owner Name:	Owner Address:	Phone:
117 Sheridan St	Fort Sumner Llc	12 Simonton St	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Pine State Plumbing & Heating	PO Box 6308 Scarborough	(207) 321-2261
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		HVAC	

Proposed Use:	Proposed Project Description:
Condo install a Luna Wall hung boiler	Install a Luna Boiler wall hung

Dept: Zoning **Status:** Approved **Reviewer:** Jeanine Bourke **Approval Date:** 12/19/2005

Note: **Ok to Issue:** ☑

Dept: Building **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 12/23/2005

Note: **Ok to Issue:** ☑

1) The installation must comply with the State of Maine Gas Regulations.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 12/22/2005

Note: **Ok to Issue:** ☑

1) Install to comply with NFPA 54 or 58 which ever is applicable. Application did not state L/P or Natural gas.

Comments:

05/02/2005-dmartin: Talked to Terry said he'd send the specs for hanging unit. Left VM that we still have not gotten them. Pine State Plumbing called 4/25 said they were going to send them, today 5/2 they still have not come in, putting permit on hold in the "hold filing cabinet"

12/19/2005-jmb: Reviewing permits for CO's, did not receive the info requested, left vm w/Terry to send specs.

BAXI

LUNA 310 Fi

High efficiency gas fired wall mounted combination boiler

Chaudière murale à gaz à rendement élevé

Installation and servicing instructions

Notice d'installation et d'entretien

CERTIRED

BAXI S.p.A., one of the leading European enterprises to produce central heating and hot water devices for domestic use (wall-mounted gaz-operated boilers, floor-standing boilers, electrical water-heaters and steel heating plates) has obtained the QSC certificate of conformity to the UNI EN ISO 9001 norms. This certificate guarantees that the Quality System applied at the **BAXI S.p.A.** factory in Bassano del Grappa, where your boiler was produced, meets the standards of the UNI EN ISO 9001 norm, which is the strictest and concerns all organization stages and operating personnel involved in the production and distribution processes.

CSQ

BAXI S.p.A. *, l'une des entreprises leader en Europe dans la production d'appareils de chauffage et sanitaires à usage domestique, (chaudières murales à gaz, chaudières au sol, chauffe-eau électriques, plaques de chauffe en acier), a obtenu la certification CSQ de conformité aux normes UNI EN ISO 9001. Ce certificat assure que le Système de Qualité en usage aux usines* **BAXI S.p.A.** *de Bassano del Grappa, où l'on a produit cette chaudière, satisfait la plus sévère des normes - c'est-à-dire la UNI EN ISO 9001 - qui concerne tous les stades d'organisation et le personnel intéressé du procès de production et distribution.*

2. Technical data

2.1 PERFORMANCE

Central Heating		MAX		MIN
		0÷2000 Ft 0÷610 m	2000÷4500 Ft 610÷1370 m	
Heat Input (Gross)	Btu/h	126 249	120 107	45 040
	kW	37	35.2	13.2
Heat Output (modulating)	Btu/h	105 776	100 658	35 486
	kW	31	29.5	10.4
Burner Pressure Setting natural gas (A)	p.s.i.	0.203	0.186	0.0261
	mbar	14.0	12.8	1.8
Gas Rate natural gas (A)	ft³/h	124.2	118.2	44.5
	m³/h	3.52	3.35	1.26
Burner Pressure Setting LP gas (E)	p.s.i.	0.3541	0.3338	0.0479
	mbar	24.4	23.0	3.3
Gas Rate LP gas (E)	ft³/h	49.0	46.6	17.29
	m³/h	1.39	1.32	0.49
CH Water Temp. (Approx.)	°F	185		
	°C	85		

Domestic Hot Water		MAX		MIN
		0÷2000 Ft 0÷610 m	2000÷4500 Ft 610÷1370 m	
Heat Input (Gross)	Btu/h	126 249	120 107	45 040
	kW	37	35.2	13.2
Heat Output (modulating)	Btu/h	105 776	100 658	35 486
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Burner Pressure Setting LP gas (E)	p.s.i.	0.3541	0.3338	0.0479
	mbar	24.4	23.0	3.3
Gas Rate LP gas (E)	ft³/h	49.0	46.6	17.29
	m³/h	1.39	1.32	0.49
Flow Rate (Can) at 63°F/35°C Rise (USA)	G.P.M.	2.8		
	G.P.M.	3.3		
	l/m	12.7		
Outlet Water Temp. (Approx.)	°F	149		
	°C	65		

2.2 SYSTEM

Central Heating (Sealed System)	
Max System Pressure	43 p.s.i. / 3 bar
Min System Pressure	7.25 p.s.i. / 0.5 bar
Max System temperature	185°F / 85°C
Pressure Relief Valve Setting	43 p.s.i. / 3 bar
Expansion Vessel Size (pre-charge press.)	2.2 Gal / 10 l at 11.6 p.s.i. / 0.8 bar
Flow Connection	3/4" / 22.2 mm
Return Connection	3/4" / 22.2 mm
Relief Valve Connection	1/2" / 15.9 mm
Recommended System Pressure (cold)	21.7 p.s.i. / 1.5 bar

Domestic Hot Water		
Max Mains Inlet Pressure		116 p.s.i. / 8 bar
Min Mains Water Pressure		2.9 p.s.i. / 0.2 bar
Min DHW Flow Rate	(Can)	0.55 GPM / 2.5 l/min
	(USA)	0.66 GPM / 2.5 l/min
Mains Inlet Connection		1/2" / 15.9 mm
DHW Outlet Connection		1/2" / 15.9 mm
Max DHW Temperature		149°F / 65°C
DHW Water Content	(Can)	0.05 Gal / 0.23 l
	(USA)	0.06 Gal / 0.23 l

2. Données Techniques

2.1 PERFORMANCE

Chauffage central		MAX		MIN
		0÷2000 Ft 0÷610 m	2000÷4500 Ft 610÷1370 m	
Débit calorifique (pcs)	Btu/h	126 249	120 107	45 040
	kW	37	35.2	13.2
Puissance utile (modulée)	Btu/h	105 776	100 658	35 486
	kW	31	29.5	10.4
Valeurs de pression au brûleur Gaz naturel (A)	p.s.i.	0.203	0.186	0.0261
	mbar	14.0	12.8	1.8
Débit de gaz Gaz naturel (A)	ft³/h	124.2	118.2	44.5
	m³/h	3.52	3.35	1.26
Valeurs de pression au brûleur Gaz LP (E)	p.s.i.	0.3541	0.3338	0.0479
	mbar	24.4	23.0	3.3
Débit de gaz Gaz LP (E)	ft³/h	49.0	46.6	17.29
	m³/h	1.39	1.32	0.49
Temp. de l'eau circuit chauffage (approx.)	°F	185		
	°C	85		

Eau chaude sanitaire		MAX		MIN
		0÷2000 Ft 0÷610 m	2000÷4500 Ft 610÷1370 m	
Débit calorifique (pcs)	Btu/h	126 249	120 107	45 040
	kW	37	35.2	13.2
Puissance utile (modulée)	Btu/h	105 776	100 658	35 486
	kW	31	29.5	10.4
Valeurs de pression au brûleur Gaz naturel (A)	p.s.i.	0.203	0.186	0.0261
	mbar	14.0	12.8	1.8
Débit de gaz Gaz naturel (A)	ft³/h	124.2	118.2	44.5
	m³/h	3.52	3.35	1.26
Valeurs de pression au brûleur Gaz LP (E)	p.s.i.	0.3541	0.3338	0.0479
	mbar	24.4	23.0	3.3
Débit de gaz Gaz LP (E)	ft³/h	49.0	46.6	17.29
	m³/h	1.39	1.32	0.49
Débit d'eau avec Δt (Can) 63°F/35°C (USA)	G.P.M.	2.8		
	G.P.M.	3.3		
	l/m	12.7		
Température de l'eau sanitaire (approx.)	°F	149		
	°C	65		

2.2 CIRCUIT

Chauffage central (circuit étanche)	
Pression maximale du circuit	43 p.s.i./3 bar
Pression minimale du circuit	7.25 p.s.i./0.5 bar
Température maximale du circuit	185°F / 85°C
Tarage soupape de pression	43 p.s.i/3 bar
Dimensions du vase d'expansion (pression avant le remplissage)	2.2 Gal / 10 l à 11.6 p.s.i. / 0.8 bar
Connexion départ	3/4" / 22.2 mm
Connexion retour	3/4" / 22.2 mm
Connexion soupape de pression	1/2" / 15.9 mm
Pression du circuit recommendée (à froid)	21.7 p.s.i. / 1.5 bar

Eau chaude sanitaire		
Pression maximale d'entrée eau du réseau		116 p.s.i. / 8 bar
Pression minimale eau du réseau		2.9 p.s.i. / 0.2 bar
Débit min. ECS	(Can)	0.55 GPM / 2.5 l/min
	(USA)	0.66 GPM / 2.5 l/min
Connexion d'entrée du réseau		1/2" / 15.9 mm
Connexion de sortie ECS		1/2" / 15.9 mm
Température max. ECS		149°F / 65°C
Contenance ECS	(Can)	0.05 Gal / 0.23 l
	(USA)	0.06 Gal / 0.23 l

2.3 COMPONENTS

Burner (15 blade)	Stainless Steel
Main Heat exchanger	Copper
DHW Heat exchanger	Stainless Steel
Injectors natural gas (A)	1.28 mm
Injectors LPG gas (E)	0.90 mm
Pump	Grundfos UPS 15-62/BX AO
Flue - Outer Duct	Epoxy coated
Flue - Inner Duct	Aluminium
Fan	MVL RLG 97/3400 - 3030LH
Gas Valve	SIT 837 TANDEM
Air Pressure Switch	Tridelta
Diverter Valve	Baxi

2.3 PARTIES COMPOSANTES

Brûleur (15 élements)	*acier inoxydable*
Echangeur principal de chaleur	*cuivre*
Echangeur de chaleur ECS	*acier inoxydable*
Injecteurs gaz naturel (A)	*1.28 mm*
Injecteurs gaz LPG (E)	*0.90 mm*
Pompe	*Grundfos UPS 15-62/BX AO*
Buse externe fumées	*traitée à résine époxyde*
Buse interne fumées	*aluminium*
Ventilateur	*MVL RLG 97/3400 - 3030LH*
Vanne à gaz	*SIT 837 TANDEM*
Commutateur pression air	*Tridelta*
Vanne à deux voies	*Baxi*

2.4 INSTALLATION

Minimum Clearances for Servicing		
	Top	8.66 in / 220 mm
	Bottom	9.84 in / 250 mm
	Sides	1.77 in / 45 mm
	Front	17.71 in / 450 mm
Flue Terminal Size Concentric System		3.93 in / 100 mm
Flue Terminal Size 2-Pipe Flue System		3.14 in / 80 mm
Flue Terminal Protruding		4.52 in / 115 mm
Lift Weight		90 lb / 41 kg

2.4 *INSTALLATION*

Espaces minimaux pour l'entretien		
	en haut	*8.66 in / 220 mm*
	en bas	*9.84 in / 250 mm*
	côtés	*1.77 in / 45 mm*
	devant	*17.71 in / 450 mm*
Dimensions terminal buse fumées concentrique		*3.93 in / 100 mm*
Dimensions terminal buse fumées à 2 conduites		*3.14 in / 80 mm*
Surplomb du terminal buse fumées		*4.52 in / 115 mm*
Poids de soulèvement		*90 lb / 41 kg*

2.5 GENERAL

Dimensions	Height	30.04 in / 763 mm
	Width	17.71 in / 450 mm
	Depth	13.58 in / 345 mm
Gas Connection		3/4"
Primary Water Content		(Can) 0.33 Gal / 1.5 l (USA) 0.40 Gal / 1.5 l
Air Duct Diameter		3.93 in / 100 mm
Flue Duct Diameter		2.36 in / 60 mm

2.5 *DONNÉES GÉNÉRALES*

Dimensions	*Hauteur*	*30.04 in / 763 mm*
	Largeur	*17.71 in / 450 mm*
	Profondeur	*13.58 in / 345 mm*
Connexion gaz		*3/4"*
Contenance d'eau primaire		*(Can) 0.33 Gal / 1.5 l* *(USA) 0.40 Gal / 1.5 l*
Diamètre conduit d'air		*3.93 in / 100 mm*
Diamètre buse fumées		*2.36 in / 60 mm*

2.6 ELECTRICAL

Supply	120 V 60 Hz
Power Consumption	547 Btu /h - 160 W
Internal Fuse	F 3,15 A
Electrode Spark Gap	2.5 to 3.5 mm

2.6 *DONNÉES ÉLECTRIQUES*

Alimentation	*120 V 60 Hz*
Consommation de courant	*547 Btu /h - 160 W*
Fusible interne	*F 3,15A*
Ecartement pointes électrodes	*de 2.5 à 3.5 mm*

Frost Protection Mode

1. The frost protection mode is integrated to the appliance when left in the domestic hot water and central heating position. If the temperature falls below 5° C the boiler will fire on its minimum setting until a flow temperature of 30° C is reached.

Pump Protection

1. With the selector switch in either, the central heating and domestic hot water position, the pump will automatically operate for 1 minute in every 24 hours to prevent sticking.

Protection contre le gel

1. La chaudière incorpore une protection contre le gel qui fonctionne lorsque la chaudière est en mode eau chaude sanitaire et chauffage central. Si la température du circuit descend au-dessous de 5 ° C, la chaudière démarre au ralenti jusqu'à ce que l'eau en circulation atteigne la température de 30 ° C.

Protection du circulateur

1. Lorsque le sélecteur est sur la position de chauffage central ou de chauffage central plus production d'eau chaude, le circulateur se met automatiquement à tourner pendant 1 minute toutes les 24 heures pour éviter les risques de blocage.

3. General Boiler Information

3.1 GAS SUPPLY
The boiler requires a gas rate of 128.1 ft³/h - 3.63m³/h.
The meter and supply pipes must be capable of delivering this quantity of gas in addition to the demand from any other appliances in the house. The boiler requires at least a 3/4" gas supply pipe. The complete installation, including the meter, must be tested for gas leak and purged.

3.2 ELECTRICAL SUPPLY
The boiler requires a 120V 60Hz power supply. Ensure the electrical supply is polarised.
The boiler must be grounded.
There must only be one common isolator, providing complete electrical isolation, for the boiler and any external controls.
Using PVC insulated cable 18 AWG x3C 105 °C.
All wiring must be installed in accordance with requirements of National Electrical Code and any additional national, state, or local code requirements having jurisdiction. All wiring must be N.E.C. Class 1.
Boiler must be electrically grounded in accordance with the National Electrical Code, ANSI/NFPA No. 70-latest edition.
In Canada, installation must conform to CSA C22.1 Canadian Electrical Code Part 1 and any local codes.

3.2.1 Install Room Thermostat
Install room thermostat on an inside wall. Never install where it will be influenced by drafts, hot or cold water pipes, lighting fixtures, television, sun rays or near a fireplace.

3.3 AIR SUPPLY
The boiler does not require any air vents in the room in which it is installed, or when installed in a cupboard or compartment.

3.4 FLUE SYSTEM

3.4.1 CONCENTRIC SYSTEM
The flue assembly supplied for the boiler is 2.64 ft / 0.75 m in length + terminal.
For horizontal flues a minor deviation from the horizontal is allowable, provided it results in a downward slope towards the terminal.
Additional flue components are available as follows:
3.28 ft / 1 m flue
90° bend
45° bend
Vertical flue terminal assembly. Refer to the separate installation instructions supplied with the assembly.

3. Données générales sur la chaudière

3.1 ALIMENTATION DU GAZ
La chaudière nécessite d'un débit de gaz de 128.1 ft³/h - 3.63 m³/h.
Le compteur et le réseau du gaz doivent être en mesure de délivrer la quantité de gaz demandée par la chaudière en plus de la quantité demandée par tous les autres appareils de la maison.
La chaudière nécessite d'au moins 3/4" de tuyauterie du réseau du gaz.
Nettoyez et effectuez un essai de toute l'installation, aussi que du compteur au fin de contrôler l'étanchéité au gaz.

3.2 ALIMENTATION ÉLECTRIQUE
La chaudière nécessite de 120 V, 60 Hz. Assurez-vous que le réseau d'alimentation est polarisé.
Installez la chaudière avec mise à la terre.
Installez seulement un sectionneur, assurant la complète isolation électrique à la chaudière et aux autres contrôles externes.
Au moyen d'un câble isolé au PVC 18 AWG x3C 105 °C.
Toutes les connexions électriques doivent être installées selon les dispositions du Code Electrique National ainsi que selon les dispositions de tout autre code local, régional ou national appliquable. Tous les câbles doivent être de la Classe 1 du Code Electrique National. La mise à terre de la chaudière est obligatoire comme pourvu par le Code Electrique National ANSI/NFPA nr. 70 (dernière édition).
Au Canada l'installation doit se conformer au Code Electrique Canadien CSA C22.1, Partie 1 et à tout autre code local.

3.2.1 Installation du thermostat d'ambiance
Installez le thermostat d'ambiance sur une paroi interne. Ne l'installez jamais à un endroit où il y a des courants, des conduites d'eau chaude ou froide, des accessoires d'éclairage, un téléviseur, une cheminée ou sous les rayons du soleil puisque tout cela pourrait causer du brouillage.

3.3 PRISE D'AIR
La chaudière ne nécessite d'aucun évent air à l'endroit où elle est installée, ou lorsqu'elle est installée dans un débarras ou dans une niche.

3.4 CARNEAU

3.4.1 CONDUIT CONCENTRIQUE
Le raccord pour la buse des fumées livré avec la chaudière est de 2.64 ft / 0.75 m de longueur + terminal. En cas de buse horizontale, il est possible d'effectuer une légère déviation par rapport à la direction horizontale, pourvu que la déviation consiste en une courbure en bas vers le terminal de la buse.
Les accessoires disponibles pour la buse des fumées sont les suivants:
3.28 ft / 1 m buse
raccord à 90°
raccord à 45°
terminal à assembler pour buse verticale. Référez-vous à la notice d'installation livrée séparément avec l'équipement.

Notes: If an extra 90° bend is used, this reduces the maximum flue length by 3.28 ft / 1 m. Each 45° bend used reduces the maximum flue length by 1.64 ft / 0.5 m.
Under no circumstances must the flue length (including allowances for extra bends) exceed 4 metres.

1. Locate the flue elbow on the adaptor at the top of the boiler. Set the elbow to the required orientation (rear, right or left).

2. Measure the distance from the outside wall face to the elbow (Fig. 3). This dimension will be known as 'X'.

3. Taking the air duct, mark dimension 'X' as shown (Fig. 4). Measure the length of waste material, and transfer the dimension to the flue duct (Fig. 4).

4. Remove the waste from both ducts. Ensure that the cut ends are square and free from burrs.

5. Remove the flue elbow from the adaptor.

IMPORTANT: Check all measurements before cutting.

Remarquez:
Si l'on emploie un raccord additionnel de 90°, la longueur maximale de la buse des fumées sera réduite de 3.28 ft / 1 m. Tout raccord de 45° ajouté réduit la longueur maximale de la buse de 1.64 ft / 0.5 m.
En aucun cas la longueur de la buse (les logueurs des raccords additionnels inclus) ne doit pas dépasser les 4 mètres.

1. Placer le coude d'évacuation des fumées sur l'adaptateur en haut de la chaudière. Orienter le coude selon les besoins de l'installation (en arrière, à droite ou à gauche).

2. Mesurer la distance entre le bord extérieur du mur et le coude (Fig.3). Cette cote sera indiquée par la lettre 'X'.

3. En prenant le conduit d'air, marquer la cote 'X' (voir Fig.4). Mesurer la longueur de la chute et la transférer sur le conduit des fumées (Fig.4).

4. Couper les chutes des deux conduits en s'assurant que les coupes sont bien à l'équerre et sans bavures.

5. Sortir le coude de l'adaptateur.

***IMPORTANT** : Contrôler toutes les cotes avant de couper.*

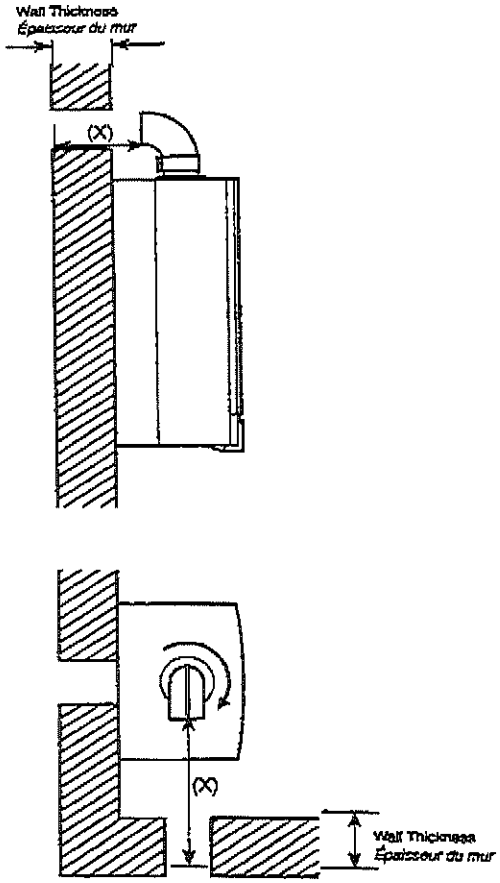

Fig. 3

13 K028

DEAN & ALLYN, INC.

FIRE PROTECTION · SPECIAL HAZARD

32 LEWISTON ROAD • BLDG. 1C
P.O. BOX 709 • GRAY, ME 04039
TEL. 207/657-5646 FAX 207/657-5647

January 3, 2006

Portland Fire Department
Attn: Chief Cass

Re: Sumner Court
117 Sheridan Street
Portland, ME

Dear Chief Cass,

Please be advised that the system for the above referenced location has been designed, installed and tested per the requirements of NFPA#13R and the State of Maine.

Sincerely,

Stan Camic (JW)
Stan Camic
Sales Representative

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
JAN - 3 2006
RECEIVED

DEAN & ALLYN, INC.

FIRE PROTECTION * SPECIAL HAZARD

TO: CHIEF CASS

FROM: STAN CAMIC

COMPANY: PORTLAND FIRE DEPT.

DATE: 1/3/06

FAX NUMBER: 874-8716

TOTAL NO. OF PAGES INCLUDING COVER: 3

PHONE NUMBER:

SENDER'S REFERENCE NUMBER:

RE: SUMNER COURT

YOUR REFERENCE NUMBER:

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

32 LEWISTON RD. BLDG. 1C* P.O. BOX 709 GRAY, ME 04039

TEL. 207/657-5646 * FAX 207/657-5647

Contractor's Material and Test Certificate for Aboveground Piping

A. Procedure (Conforms to NFPA 13-1994)

Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job. A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners and contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances. All "No" answers shall be explained in the Comments portion of this form.

Property Name: Sumner Court

Property Address: 117 Sheridan St. Date: 8/12/05

B. Plans

1. Accepted by Approving Authorities (Names): Fire Marshall
2. Address:
3. Installation conforms to accepted plans ☒ Yes ☐ No
4. Equipment used is approved ☒ Yes ☐ No

C. Instructions

1. Has person in charge of fire equipment been instructed as to location of control valves and care and maintenance of this new equipment ☒ Yes ☐ No
2. Have copies of the following been left on the premises:
   a. System components instructions ☐ Yes ☐ No
   b. Care and maintenance instructions ☐ Yes ☐ No
   c. NFPA 25 ☐ Yes ☐ No

D. Location of system - Supplies building: Entire

E. Sprinklers

Make	Model	Year Made	Orifice	Quantity	Temperature
Tyco	LFII	2005	1/2	139	155° P
Tyco	LFII	2005	1/2	10	155° SW
Tyco	LFII	2005	1/2	8	175° P
Tyco	LFII	2005	1/2	8	286° P

F. Pipe and Fittings

1. Type of Pipe: Black Iron / CPVC
2. Type of Fittings: Cast Iron / CPVC

G. Alarm Valve or Flow Indicator

Type	Make	Model	Max. Time to Operate Through Insp. Test
Flow	Potter	VSFR	0-5 sec

H. Dry-Pipe Valve

1. Make and Model: N/A
2. Serial Number:

I. Quick Opening Device (Q.O.D.)

1. Make and Model:
2. Serial Number:

J. Dry-Pipe System Operating Test Without Q.O.D.

1. Time to trip through test connection*:
2. Water pressure ____ psi. Air pressure ____ psi.
3. Trip point air pressure ____ psi.
4. Time water reached test outlet*:
5. Alarm operated properly ☐ Yes ☐ No

K. Dry-Pipe System Operating Test With Q.O.D.

1. Time to trip through test connection*:
2. Water pressure ____ psi. Air pressure ____ psi.
3. Trip point air pressure ____ psi.
4. Time water reached test outlet*:
5. Alarm operated properly ☐ Yes ☐ No

L. Deluge and Preaction Valves

1. Make and Model:
2. Operation: ☐ Pneumatic ☑ Electric ☐ Hydraulic
3. Piping and detecting media supervised ☐ Yes ☐ No
4. Does valve operate from manual trip and/or remote control stations ☐ Yes ☐ No
5. Is there an accessible facility in each circuit for testing ☐ Yes ☐ No
6. Does each circuit operate supervision loss alarm ☐ Yes ☐ No
7. Does each circuit operate valve release ☐ Yes ☐ No
8. Maximum time to operate release:

M. Pressure Reducing Valve

1. Location and Floor:
2. Make and Model:
3. Setting:
4. Static Pressure: Inlet ____ psi, Outlet ____ psi
5. Residual Pressure (Flowing): Inlet ____ psi, Outlet ____ psi
6. Flow Rate: ____ gpm

*measured from time inspectors test connection is opened

N. Test Description

Hydrostatic: Hydrostatic tests shall be made at not less than 200 psi (13.6 bars) for two hours or 50 psi (3.4 bars) above static pressure in excess of 150 psi (10.2 bars) for two hours. Differential dry-pipe valve clappers shall be left open during test to prevent damage. All aboveground piping leakage shall be stopped.

Pneumatic: Establish 40 psi (2.7 bars) air pressure and measure drop, which shall not exceed 1.5 psi (0.1 bars) in 24 hrs. Test pressure tanks at normal water level and air pressure and measure air pressure drop, which shall not exceed 1.5 psi (0.1 bars) in 24 hrs.

O. Tests

1. All piping hydrostatically tested at 200 psi for 2 hours
2. Dry piping pneumatically tested N/A ☐ Yes ☐ No
3. Equipment operates properly ☒ Yes ☐ No
4. Do you certify as the sprinkler contractor that additives and corrosive chemicals, sodium silicate or derivatives of sodium silicate, brine, or other corrosive chemicals were not used for testing systems or stopping leaks? ☒ Yes ☐ No
5. Drain Test:
   a. Static pressure reading of gage located near water supply connection ____ psi.
   b. Residual pressure with valve in test connection open wide ____ psi.
6. Underground mains and lead in connections to risers flushed before connection made to sprinkler piping and verified by copy of form No. 13-U ☐ Yes ☐ No N
7. Flushed by installer of underground piping ☐ Yes ☐ No N
8. If powder driven fasteners are used in concrete, has representative sample testing been satisfactorily completed? ☐ Yes ☐ No N

P. Blank Testing Gaskets

1. Number used: 0
2. Locations: 0
3. Number removed: 0

Q. Welded Piping - If welded piping was used in the system, complete the following:

1. Do you certify as the sprinkler contractor that welding procedures comply with the requirements of at least AWS D10.9, Level AR-3 ☐ Yes ☐ No N
2. Do you certify that the welding was performed by welders qualified in compliance with the requirements of at least AWS D10.9, Level AR-3 ☐ Yes ☐ No N
3. Do you certify that welding was carried out in compliance with a documented quality control procedure to insure that all discs are retrieved, openings in the pipe are smooth, slag and other welding residue are removed, and the internal diameters of piping are not penetrated ☐ Yes ☐ No N

R. Cutouts (Disks)

Do you certify that you have a control feature to ensure that all cutouts (disks) are retrieved? ☐ Yes ☐ No N

S. Hydraulic Data Nameplate Provided ☒ Yes ☐ No

T. Date left in service (with all control valves open):

U. Signatures

1. Name of sprinkler contractor: DEAN & ALLYN
2. Tests witnessed by:
   For property owner (Signed):
   Title: owner Date: 8/12/05
   For sprinkler contractor (Signed): Jeremy Dean
   Title: Foreman Date: 8/12/05

V. Comments (This section is for additional explanation and notes. All "No" answers must be explained here.)

13 R wet System, 4th Floor on an anti-freeze loop

☐ Check here if comments continue on reverse side of this form