

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

# CITY OF PORTLAND

BUILDING DEPARTMENT

## PERMIT

Please Read Application And Notes, If Any, Attached

**PERMIT ISSUED**  
 Permit Number: 050027  
**JAN 24 2005**  
**CITY OF PORTLAND**

This is to certify that Francis Karl J & /Owner

has permission to Renovations to Single Family home add laundry & Bathro

AT 149 Frances St

186A A016001

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.  
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 laid out or occupied closed-in. **HEAR 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. \_\_\_\_\_

Health Dept. \_\_\_\_\_

Appeal Board \_\_\_\_\_

Other \_\_\_\_\_

Department Name

*[Signature]*  
1/21/05  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

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

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

Permit No: 05-0027	Issue Date: JAN 24 2005	CEB: 186A A016001
Owner Address: 149 Frances St	Phone:	
Contractor Address: Portland	CITY OF PORTLAND	
Permit Type: Single Family	Zone:	

Location of Construction: 149 Frances St	Owner Name: Francis Karl J &
Business Name:	Contractor Name: Owner
Lessee/Buyer's Name	Phone:

Past Use: Single Family Home	Proposed Use: Single Family Home / Renovations add laundry & Bathroom
---------------------------------	---

Permit Fee: \$84.00	Cost of Work: \$7,000.00	CEO District: 3
FIRE DEPT: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Denied <i>NA</i>	INSPECTION: Use Group: <i>R-3</i> Type: <i>SB</i> <i>IRC 2003</i>	
Signature:	Signature:	

Proposed Project Description:  
Renovations to Single Family Home adding laundry & Bathroom

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action:  Approved  Approved w/Conditions  Denied

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

Permit Taken By: Idobson	Date Applied For: 01/10/2005
-----------------------------	---------------------------------

Zoning Approval		
<p>1.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>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..</p>	<p><b>Special Zone or Reviews</b></p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Maj <input type="checkbox"/> Minor <input checked="" type="checkbox"/> MM <input type="checkbox"/></p> <p>Date: <i>1/21/05</i></p>	<p><b>Zoning Appeal</b></p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>
	<p><b>Historic Preservation</b></p> <p><input checked="" type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: <i>1/21/05</i></p>	

**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

**149 Frances Street**  
Renovation of Existing Space

*Handwritten:* 10' 11" x 15' 5" 16'

Ceiling Height  
5 Feet at this point

Roof Line

Existing  
2X4  
Interior Wall

64 inches from  
interior wall to 5  
foot point

Shelving

Knee  
Wall

20" | 42" | 1' Point

Room Width 8 Feet 6 inches  
102"

Ceiling Height 8  
Feet 9 Inches at  
interior wall

*Handwritten:* 22' = 52%  
42' = 40%  
OK

1/21/05

1:30 pm

Attn: \_\_\_\_\_

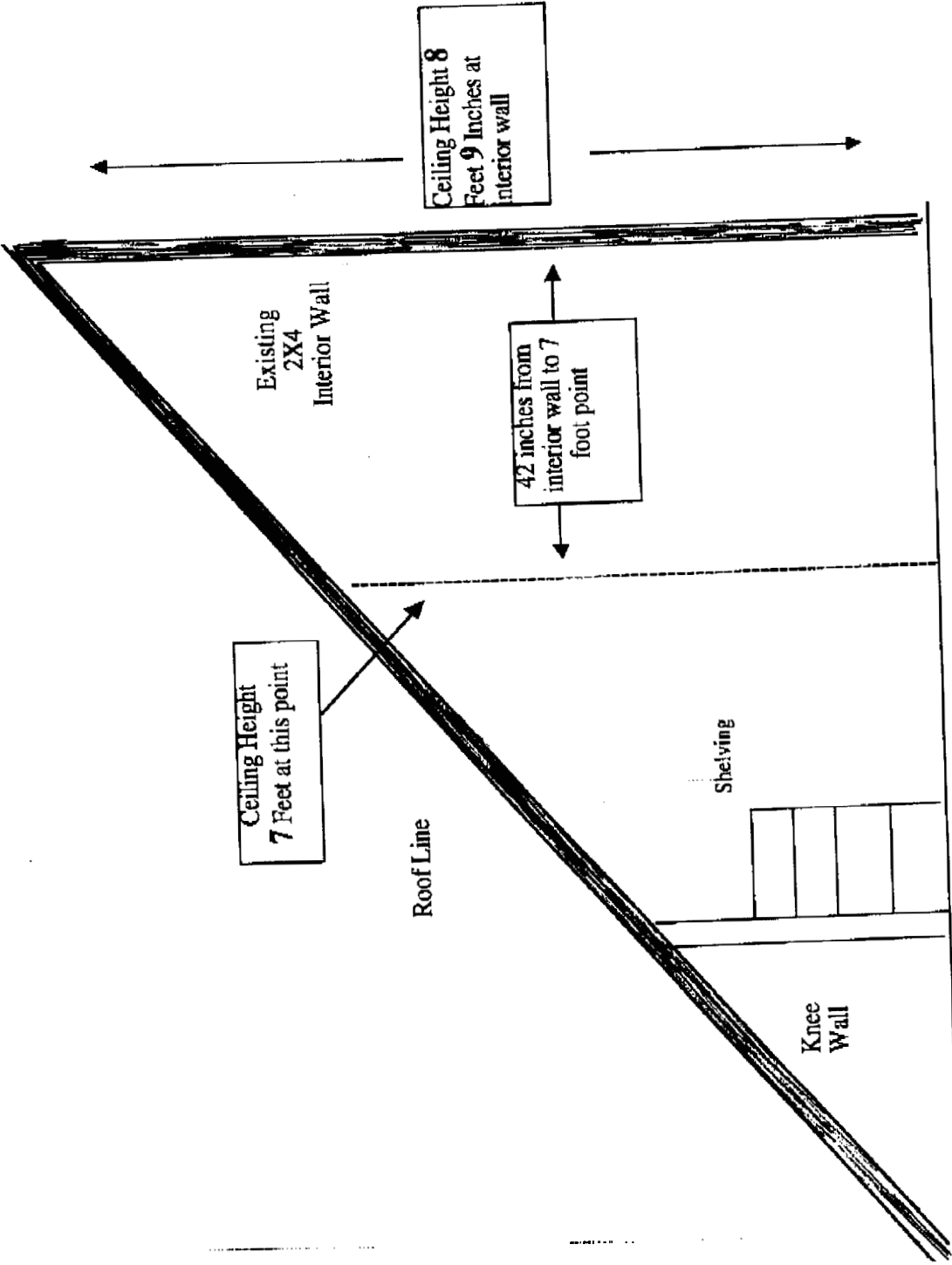
Tammy Munson

149 Francis  
Renovation

Karl Francis

Renovation of Existing Space

149 Frances



Karl Francis

Renovation

149 Frances

Tammy Munson

Attn:

1:30 pm

1/21/05

Print [ ] Text93 [ ] 27066 [ ] Constr Type [ ] New [ ] Num1 [ ] 50027 [ ]

Permit Nbr [ ] 05-0027 [ ] Location of Construction [ ] 149 [ ] Frances St [ ] Appl. Date [ ] 01/10/2005 [ ]  
Status [ ] Hold [ ] Permit Type [ ] Single Family [ ] Issue Date [ ] [ ]  
CBL [ ] 186A A016001 [ ] District Nbr [ ] 3 [ ] Estimated Cost [ ] \$7,000.00 [ ] Date Closed [ ] [ ]

Comment Date [ ] Comment [ ]

01/19/2005 [ ] Need to know what the walls are framed out of and need to know the ceiling height in the bath (what percentage is 7'-0" minimum. Called owner - no answer and no machine.

Name [ ] tmm [ ] Follow Up Date [ ] Completed

CreatedBy [ ] ldobson [ ] CreateDate [ ] 01/10/2005 [ ] ModBy [ ] tmm [ ] ModDate [ ] 01/19/2005 [ ]

*892-5024  
Karl Francis  
1/20/05 - spoke w/owner*

# All Purpose 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.

<b>ME</b>		
Total Square Footage of Proposed Structure <i>existing unfinished space 150 sq. ft.</i>	Square Footage of Lot <i>.13 acres 6,500 sq. ft.</i>	
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <i>186A K 16</i>	Owner: <i>Karl Francis</i>	Telephone, <i>892-7444</i> <i>773 4491 after 1/17/05</i>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <i>Karl Francis</i> <i>149 Frances St. 892-7444</i> <i>Portland ME 04102 773-4491</i>	cost Of Work: \$ <u><i>7,000</i></u> Fee: \$
Current use: <u><i>update prior to move in</i></u> <span style="float: right;"><i>after 1/17/05</i></span>		
If the location is currently vacant, what was prior use: <u><i>Private home</i></u>		
Approximately how long has it been vacant: <u><i>2 months</i></u>		
Proposed use: <u><i>Just purchased home in November updating older</i></u>		
Project description: <i>home adding laundry to bathroom and converting unfinished space</i> <i>existing</i> <span style="float: right;"><i>to full bath.</i></span>		
Contractor's name, address & telephone:		
Who should we contact when the permit is ready: <u><i>Karl Francis</i></u>		
Mailing address: <u><i>same as above</i></u>		
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE:		

IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

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

Signature of applicant:	Date: <u><i>1/5/05</i></u>
-------------------------	----------------------------

**This is NOT a permit, you may not commence ANY work until the permit is issued.**  
If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4<sup>th</sup> floor of City Hall



DEED OF SALE BY PERSONAL REPRESENTATIVE  
(TESTATE)  
Maine Statutory Short Form

JOHN D. HAMILTON of Windham, County of Cumberland, State of Maine, duly appointed and acting personal representative of the Estate of MARY ELIZABETH HAMILTON, deceased (testate), as shown by the probate records of the County of Cumberland, Maine, and having given notice to each person succeeding to an interest in the real property described below at least ten (10) days prior to the sale, by the power conferred by the Probate Code, and every other power, for consideration paid, grants to KARL J. FRANCIS AND BETINA M. FRANCIS, of Portland, County of Cumberland, State of Maine, whose mailing address is 149 Frances Road, Portland, ME, as joint tenants, the real property in Portland, County of Cumberland, State of Maine, described as follows:

Reference is made to EXHIBIT A attached hereto and made a part hereof.

WITNESS my hand and seal this 9th day of November, 2004.

Signed, Sealed and Delivered  
in presence of

Estate of Mary Elizabeth Hamilton

\_\_\_\_\_

*John D. Hamilton*  
by: John D. Hamilton  
Personal Representative

State of Maine  
Cumberland, ss.

Then personally appeared the above named John D. Hamilton and acknowledged the foregoing instrument to be his/her free act and deed in his/her said capacity.

Before me,

*[Signature]*  
\_\_\_\_\_  
Attorney at Law/Notary Public  
*Kristine Simmons Esq*

**Exhibit A - Deed**

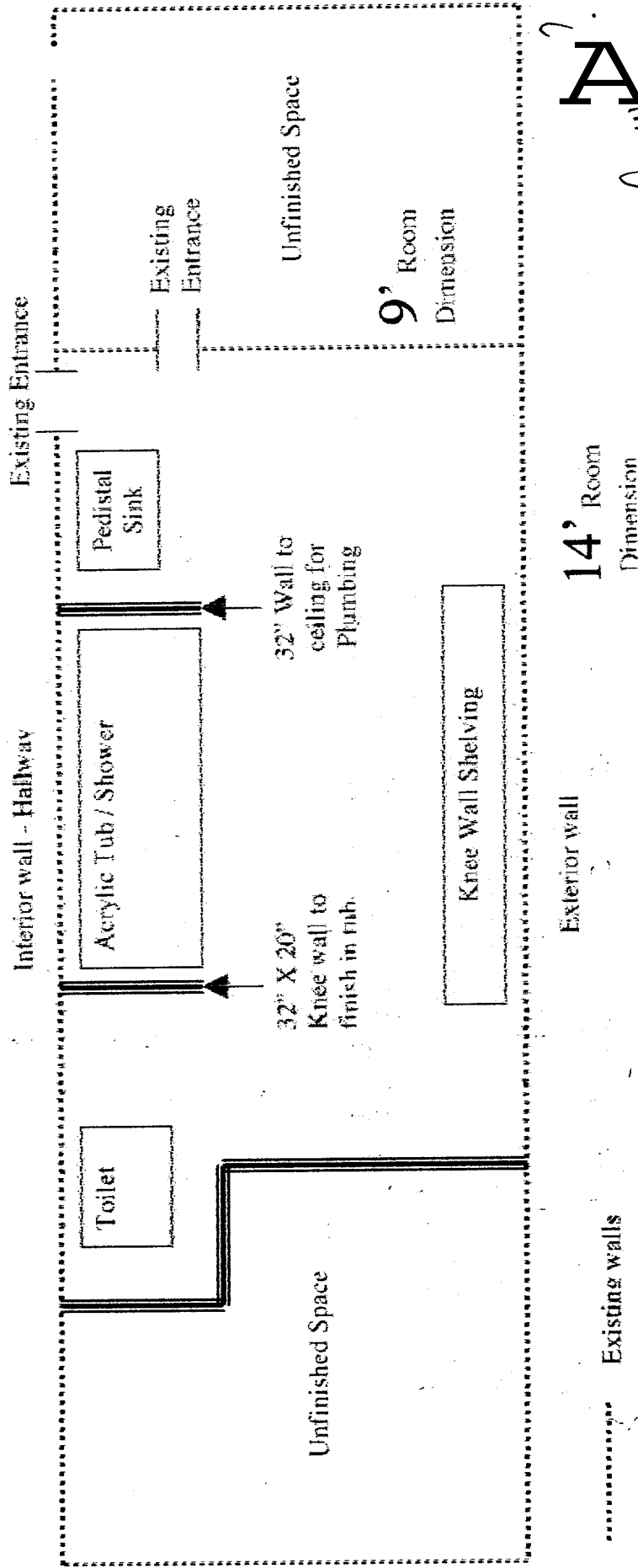
A certain lot or parcel of land, together with the buildingsthereon, situated at Longfellow Highland, in the city of Portland, county of Cumberland and state of Maine, and bounded and described as follows: Beginning at the point of intersection at the Southeasterly side line of Thornton Street (now called Frances Street) with the Southwesterly side line of Elizabeth Road, said point of intersection being distant six hundred forty four and ninety two one hundredths (**644.92**) feet on Frances Street, formerly Thornton Street, from the Southwesterly side line of Bridgton Avenue; thence Southeasterly along the Southwesterly side line of Elizabeth Road one hundred eleven and eight tenths (**100.8**) feet to a point; thence Southwesterly and parallel with Frances Street, formerly Thornton Street, fifty (50) feet to a point; thence Northwesterly and parallel with Elizabeth Road and at right angles to Frances Street, formerly Thornton Street, one hundred eleven and eight tenths (**11.8**) feet to said Frances Street, formerly Thornton Street; thence Northeasterly along the Southeasterly side line of said Frances Street, formerly Thornton Street, fifty (50) feet to the point of beginning, said lot containing Five thousand five hundred ninety (**5590**) square feet of land and being lot numbered Forty- Eight **A (48A)** as shown on Plan of Long-fellow Highlands, made for Geo. T. Edwards, June, **1912**, from surveys of E.C. Jordan & Co., Civil Engineers, dated 1901, said plan being recorded in the Cumberland County Registry of Deeds, Plan Book **12**, Page **65**.

Reference is hereby made to a deed from Alice C. Hamilton dated January 25, 1943 to Estate of Mary Elizabeth Hamilton and recorded in the Cumberland County Registry of Deeds in Book 1704, Page 206

Reviewed/Initialed \_\_\_\_\_

# Bathroom Renovation of Existing Unfinished Space

149 Frances Street  
Portland, Maine

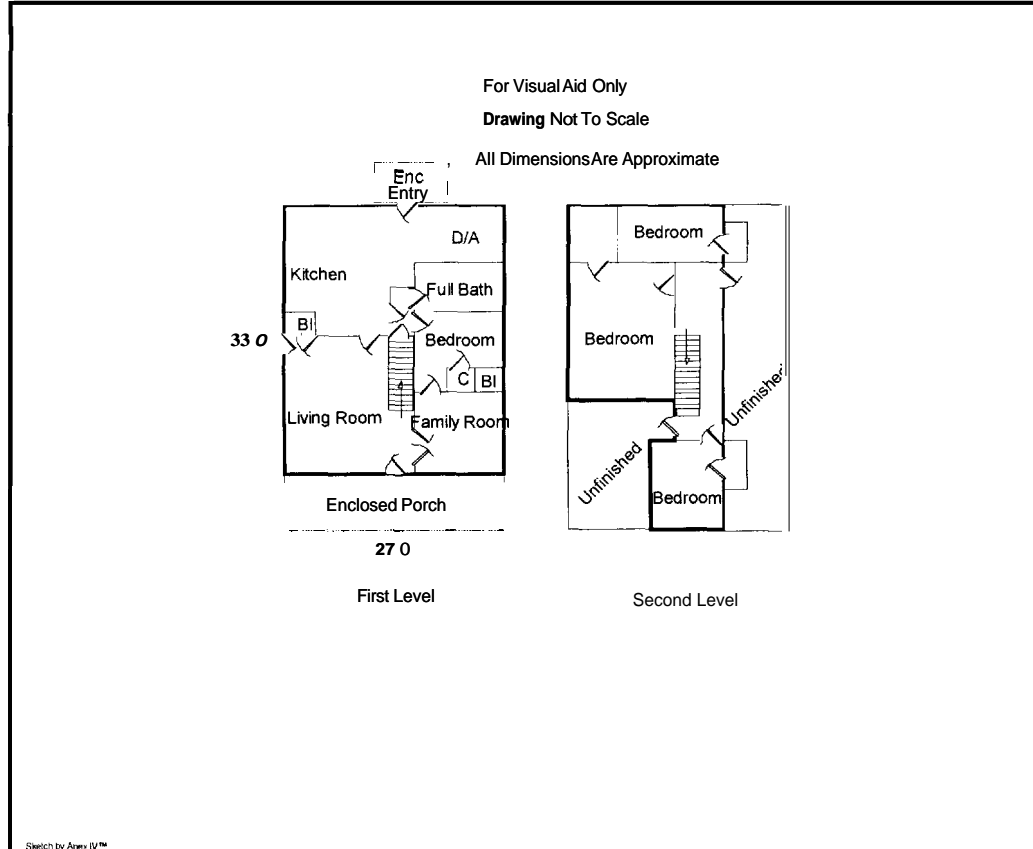


At.  
for framing  
@ Collins  
11/11/11

- Note:
1. Renovation of Existing Unfinished Space
  2. The walls to be added are non weight bearing --interior framing.
  3. No windows or door framing

### Building Sketch (Page - 1)

Borrower/Client FRANCIS, K.J. & B.				
PropertyAddress 149 Frances Road				
City	Portland	County	Cumberland	State ME
ZipCode	04103			
Lender Downeast Mortgage Corporation				



Sketch by Apex IV™  
**Comments**

AREA CALCULATIONS SUMMARY				LIVING AREA BREAKDOWN		
Code	Description	Size	Net Totals	Breakdown		btotals
HLA1	First Floor	891.00	891.00	First Floor		
HLA2	Second Floor	585.00	585.00	27.0 x 33.0		891.00
1/P	Enclosed Porch	189.00		Second Floor		
	Enclosed Entry	45.00	234.00	6.0 x 40.0		240.00
				3.0 x 11.0		33.00
				13.0 x 24.0		312.00
TOTAL LIVABLE (rounded)			1476	4	1:	Total (rounded) 1476

GABRIEL PLUMBING & HEATING, LLC  
 197 WARREN AVE.  
 P.O. BOX 3795  
 PORTLAND, ME 04104-3795  
 207-797-3437 TEL  
 207-797-8705 FAX

---

FACSIMILE TRANSMITTAL SHEET

---

TO: Jeannie	FROM: Cardice Boehler
COMPANY: City of Portland	DATE: 1-12-05 10:20
FAX NUMBER: 874-8715	TOTAL NO. OF PAGES INCLUDING COVER: 4
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:

Andy's cell 712-8882 149 Frances St

186-A-A-016

1/12/05 Andy the plumber called - he is also replacing the kitchen sink which is vented illegally to the roof leader. It would be very invasive to run a vent line for these fixtures (sink, garbage disposal, DWASHP) therefore this sure vent is allowable. JMB

OATEY: Sure-Vent® Air Admittance Valves

OATEY: Sure-Vent® Air Admittance Valves

DWV Unmatched Performance



**Sure-Vent®**  
AIR ADMITTANCE VALVES  
OPTIMIZED DFU'S



An air admittance valve's ability to breathe is measured in Drainage Fixture Units or DFUs. The higher the DFU rating on the valve, the greater amount of air that can enter the DWV system. DFU loads are assigned to plumbing fixtures dependent on the volume rate of discharge, the duration of operation and the time between operations. Common fixture load ratings are shown in the table.

To ensure proper breathing capability, determine all fixtures to be vented and calculate the total DFU load, then select the appropriate Sure-Vent® for the application. Each Oatey Sure-Vent® cap indicates its maximum DFU rating — 6, 20, 160 and 500 DFUs.

*Example: In a house with a laundry room and bathroom sharing a common wall, the DFU load would total nine. Five for the bathroom, three for the washing machine and one for the laundry tub. The 20 DFU Sure-Vent® is the right AAV for the job.*

It is acceptable to oversize a Sure-Vent®; however, an undersized Sure-Vent® will

**COMMON FIXTURE LOAD RATINGS**

Fixture Applications:	DFU Load
Traditional Public Bathroom Group (Toilet (1.6 gpf), bathtub w/ shower, and sink)	6
Traditional Private Bathroom Group (Toilet (1.6 gpf), bathtub w/ shower, and sink)	5
Public Toilet (1.6 gpf)	4
Private Toilet (1.6 gpf)	3
Washing Machine	3
Bathtub w/ shower	2
Sink & Disposal	2
Dishwasher	1 2
<b>Shower Stall</b>	
Sink	1
Drinking Fountain	0.5
<b>Fixtures not listed above:</b>	
<b>Trap size 1-1 1/2"</b>	
Trap size 2"	3
Trap size 3"	5
Trap size 4"	6

[http://www.oatey.com/aav\\_public/optimized.html](http://www.oatey.com/aav_public/optimized.html)

[http://www.oatey.com/aav\\_public/optimized.htm](http://www.oatey.com/aav_public/optimized.htm)

31938A-700

**INSTRUCTIONS:**

The Sure-Vent II™ is intended as an alternative to secondary vents that extend through the roof. Daley recommends that at least one primary or relief vent be vented to the open air. ALWAYS CONSULT LOCAL PLUMBING CODES PRIOR TO INSTALLING AN AIR ADMITTANCE VALVE.

Daley Sure-Vent II™ Product No. 39016 screws into a 2" FIP thread without other fittings. Enclosed is a PVC adapter which solvent welds to either a 1-1/2" or 2" PVC plastic pipe and provides the 2" FIP thread.

The installer should understand the following important terms when considering sound Sure-Vent II™ installation:

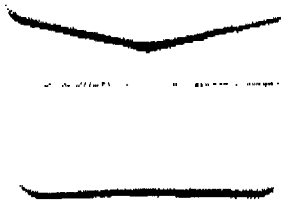
- **PRIMARY OR MAIN VENT** – The vent stack that extends directly from the building drain to the open air above the roof and is located below (downstream) the lowest fixture branch or the point of the heaviest drainage load.
- **RELIEF VENT** – An auxiliary vent whose primary function is to provide the circulation of air between the drainage and vent system. The RELIEF VENT is intended to provide a means for air to exit the system if necessary. Air admittance valves are one-way valves that only allow air to enter the system.
- **SECONDARY VENT** – The secondary vent refers to all other vents except PRIMARY, MAIN, and RELIEF VENTS.

**DO's**

- Sure-Vent II™ must be installed at least four inches above the centerline of the horizontal branch drain or fixture trap being vented.
- Sure-Vent II™ must be accessible for inspection, service, repair or replacement like any other control device.
- Sure-Vent II™ shall be installed in locations that permit free movement of air into valve intake openings.
- Sure-Vent II™ can vent a building with a septic tank provided the system is satisfactorily connected to the atmosphere (see local codes). The first chamber of the septic tank must be fresh air vented.
- Sure-Vent II™ is intended for installation within the confines of the building structure and should not be exposed to freezing conditions or outside elements.
- Sure-Vent II™ can be used with a system that has a dishwasher, washing machine and food disposal attached to it.
- Sure-Vent II™ shall be located a minimum of 6 inches above insulation materials.
- Sure-Vent II™ shall be installed in a vertical orientation not exceeding 15 degrees from plumb.
- Sure-Vent II™ should be installed after DWV rough-in testing has been performed. REMOVE protective rubberband and foam inserts covering Sure-Vent II™ air ports AFTER drywalling. (Failure to remove rubberband and foam inserts will hinder performance.)
- Sure-Vent II™ can be installed within four branch intervals from the top of the PRIMARY VENT termination point. No additional primary venting is required. A branch interval is the distance along a drainage stack, corresponding, in general, to story height (but no less than eight feet) within which horizontal drainage branches from one story of a structure are connected to the stack. Most single family residential Sure-Vent II™ installations up to five stories require only one primary vent per building drain to the outside air. When a building is greater than five stories and the Sure-Vent II™ is being installed to vent fixtures beyond four branch intervals from the top of the primary stack, a relief vent that extends to open air or re-connects to the primary vent shall be provided between the most downstream fixture connection on the horizontal branch(es) vented by Sure-Vent II™ and the vertical drainage stack.

**DONT's**

- Sure-Vent II™ should not be installed in an area where temperatures exceed 150°F.
- Sure-Vent II™ shall not be used as a relief vent.
- Sure-Vent II™ shall not be installed to serve as a vent within acid waste or special waste systems.
- Sure-Vent II™ shall not be installed within supply or return air plenums.



**INSTRUCCIONES:**

El objetivo de Sure-Vent II™ es actuar como alternativa a la aireación secundaria que se extiende a través del techo. Daley recomienda que por lo menos una aireación primaria o principal ventile al aire libre, SIEMPRE CONSULTE LOS CÓDIGOS LOCALES DE PLUMBERIA ANTES DE INSTALAR LA VALVULA DE ADMISION DE AIRE.

Daley Sure-Vent II™ Producto Número 39016 se atornilla en ranuras de 1-1/2" FIP sin ningún otro acoplamiento. Se adjunta un adaptador de PVC que se suelta con solvente a cañerías de PVC tanto de 1.5" como de 2" y provee la rosca FIP de 2".

Para efectuar una instalación correcta de Sure-Vent II™, el instalador debe comprender los siguientes términos importantes.

- **AIREACIÓN PRINCIPAL O PRIMARIA** – El tubo vertical de evacuación que se extiende directamente desde el drenaje principal del edificio al aire libre encima del techo y que está colocado por debajo (corriente abajo) de la rama de artefacto más inferior o del punto donde se afecta la mayor carga de drenaje.
- **AIREACIÓN DE ALIVIO** – Una aireación auxiliar cuya función primordial es la de proveer circulación de aire entre el drenaje y los sistemas de aireación. La AIRACIÓN DE ALIVIO está diseñada para proveer una salida de aire al sistema, si fuese necesario. Las válvulas de admisión de aire son válvulas unidireccionales que sólo permiten la entrada de aire al sistema.
- **AIREACIÓN SECUNDARIA** – La aireación secundaria se refiere a todas las otras aireaciones excepto las AIRACIONES PRIMARIA, PRINCIPAL Y DE ALIVIO.

**HACER**

- Sure-Vent II™ debe ser instalado por lo menos cuatro pulgadas por encima de la línea central de la rama horizontal de drenaje o trampa del artefacto a ser aireado.
- Sure-Vent II™ debe ser accesible para su inspección, servicio, reparación o remplazo como todo otro artefacto de control.
- Sure-Vent II™ debe ser instalado en ubicaciones que permitan el libre movimiento dentro de las aberturas de entrada de la válvula.
- Sure-Vent II™ puede servir un edificio con tanque séptico siempre que el sistema esté conectado en forma correcta a la atmósfera (ver códigos locales). El primer compartimiento del tanque séptico debe ser ventilado con aire fresco.
- Sure-Vent II™ está diseñado para ser instalado dentro de la estructura del edificio y no deben exponerse ni a la intemperie ni a temperaturas de congelamiento.
- Sure-Vent II™ puede ser utilizado con un sistema que tiene asociado lavavajillas, lavadora y triturador de alimentos.
- Sure-Vent II™ debe estar ubicado por lo menos seis pulgadas por encima de materiales de aislamiento.
- Sure-Vent II™ debe instalarse con una orientación vertical que no exceda los 15 grados de la vertical.
- Sure-Vent II™ debe instalarse luego que se hayan efectuado los ensayos iniciales DWV de plomería. Retire la banda de protección de goma y las inserciones de espuma que cubre las compuertas de aire de Sure-Vent II™ después del recubrimiento de pared. (Omisión de sacar la banda de protección de goma y las inserciones de espuma bajará el rendimiento).
- Sure-Vent II™ puede instalarse dentro de los cuatro intervalos de ramificación desde la parte superior del extremo de la AIRACIÓN PRIMARIA. No se requiere aireación primaria adicional. El intervalo de ramificación es la distancia a lo largo del tubo vertical de evacuación que corresponde, en general, a la altura de un piso (pero no menor que ocho pies) dentro del cual las ramas de drenaje horizontales de un piso de la estructura están conectadas al tubo de evacuación vertical. La mayoría de las instalaciones de Sure-Vent II™ de casas residenciales individuales de hasta cinco pisos sólo requieren una aireación principal por drenaje del edificio al aire exterior. Cuando el edificio fuese de más de cinco pisos de altura y se instala Sure-Vent II™ para airear artefactos a intervalos de más de cuatro ramas desde la parte superior del tubo de drenaje vertical primario, se debe proveer una aireación de alivio que se extienda al aire libre o que reconecte con la aireación primaria entre la conexión más inferior corriente abajo en la(s) rama(s) horizontal(es) aireada por Sure-Vent II™ y el tubo vertical de drenaje.

**EVITAR**

- Sure-Vent II™ no deberá ser instalado en áreas donde las temperaturas excedan los 150°F.
- Sure-Vent II™ no debe utilizarse como válvula de alivio.
- Sure-Vent II™ no debe instalarse para que sirva como aireación dentro de sistemas de descargas ácidas o de desechos especiales.
- Sure-Vent II™ no debe instalarse dentro de las cámaras de entrada de aire o retorno de aire.

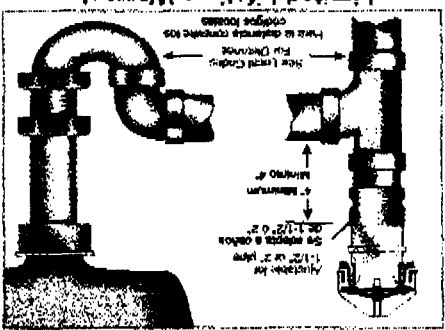
Always consult local plumbing codes prior to installing an air admittance valve.  
 Siempre consulte los códigos locales de plomería antes de instalar la válvula de admisión de aire.  
 Patent in Canada.  
 Hecho en E.U.A.  
 Dentro de esta traza se encuentran las indicaciones de instalación completas.  
 "Print Pending"  
 Made in USA  
 CARD  
 Complete installation instructions inside this  
 WWW.OATEY.COM  
 Cleveland, OH 44135 • 216-267-7100  
 Oatey • 4700 W. 160th St.  
 Minnetonka, MN 55345

1.5" (38 mm) diameter 1.5" (38 mm) NPT 1.5" (38 mm) PVC solvent weld 1.5" (38 mm) DWV	2" (51 mm) diameter 2" (51 mm) NPT 2" (51 mm) PVC solvent weld 2" (51 mm) DWV
--	--

OK  
 6 B/FUS



Limited Lifetime Warranty  
 Garantía limitada de por vida



Sure-Vent II™ remains closed up to 13 PSIG positive pressure, preventing leakage during low pressure air clearing.  
 Sure-Vent II™ permanece cerrado hasta una presión positiva máxima de 13 psig, previniendo fugas durante la limpieza a baja presión de la cámara.

**ABERTA:** La válvula de admisión de aire para el aparato dreña la válvula de CERRADA. Luego que el aparato drene, el aire admittance valve se abre para admitir el aire fresco. Después de drenar, la válvula de admisión de aire se cierra para impedir la salida de aire cuando el aparato drene.  
**OPEN:** The air admittance valve opens to admit fresh air after the fixture drains. After the fixture drains, the air admittance valve seats to prevent foul air from entering.  
**VALVULA ABIERTA**  
**VALVE OPEN**



- 1.5" - 2" PVC solvent weld adapters included.  
 Always solvent weld to 1.5" - 2" SCH 40 pipe or wall thread and 2" FIP range.  
 - Se incluye el adaptador de PVC 1.5"-2" para soldar con solvente. Forme soldado con solvente a cañerías 1.5"-2" tipo 40 o se enroscas en un acople FIP de 2".



No. 39016

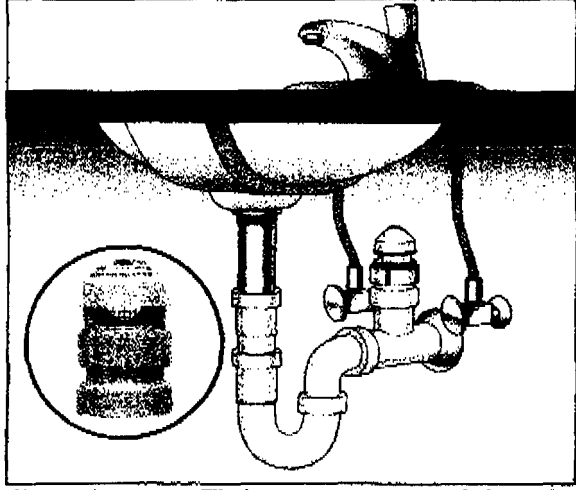
# Oatey®

## 1.5"-2" Sure-Vent II®

### AIR ADMITTANCE VALVE



Válvula de admisión de aire Sure-Vent II™ de 1.5" a 2".



Vent at the source - Eliminates vent pipe through the roof.  
 Ventilación en el origen - Elimina un caño de ventilación secundario que pase por el techo.

- Use on DWV, PVC pipe diameters up to 2".
- Allows air into plumbing system while containing foul odors,
- Utilizar en cañerías de DWV, PVC de hasta 2" de diámetro.
- Permite la aireación del sistema de plomería y evita el ingreso de malos olores.

