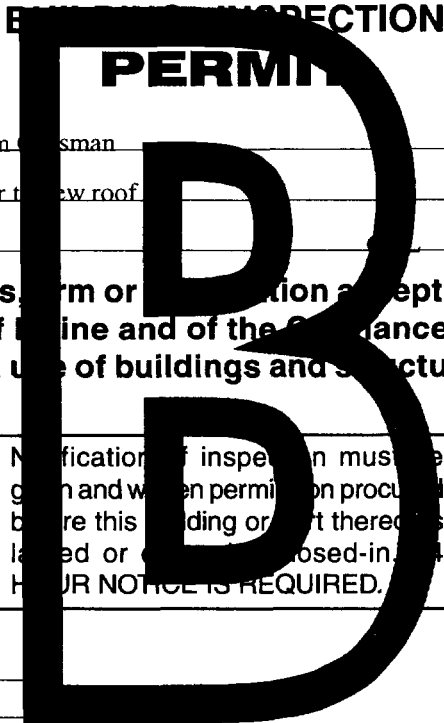


Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK  
**CITY OF PORTLAND**

Please Read Application And Notes, If Any, Attached



PERMIT ISSUED  
Permit Number: 060183  
MAR 5 2006  
CITY OF PORTLAND

This is to certify that ORLANDO MARK G./Tim Gossman  
has permission to Reinforce roof rafters prior to new roof  
AT 25 CODMAN ST 129 G015001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of the State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

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

Notification of inspection must be given and when permission procured before this building or part thereof is altered or closed-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. \_\_\_\_\_  
Health Dept. \_\_\_\_\_  
Appeal Board \_\_\_\_\_  
Other \_\_\_\_\_  
Department Name

*Thomas M. Markley* 3/6/06  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

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

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

Permit No: 06-0183	Issue Date: <b>PERMIT ISSUED</b> MAR 6 2006	129	G015001
Phone:			

Location of Construction: 25 CODMAN ST	Owner Name: ORLANDO MARK G
---	-------------------------------

Business Name:	Contractor Name: Jim Grosman
----------------	---------------------------------

Lessee/Buyer's Name	Phone:
---------------------	--------

Past Use: Residential 2 unit	Proposed Use: Residential 2 unit Reinforce roof rafters prior to new roof
---------------------------------	--

Permit Fee: \$57.00	Cost of Work: \$4,000.00	CEO District: 4
------------------------	-----------------------------	--------------------

FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: <b>R-3</b> Type: <b>5B</b> <b>IRC 2003</b>
--	---

Proposed Project Description: Reinforce roof rafters prior to new roof
---

Action:  Approved  Approved w/Conditions  Denied

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

Permit Taken By: dmartin	Date Applied For: 02/03/2006
-----------------------------	---------------------------------

**Zoning Approval**

- 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..

<p align="center"><b>Special Zone or Reviews</b></p> <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: <b>Jm 3/6/06</b>
---

<p align="center"><b>Zoning Appeal</b></p> <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: _____
--

<p align="center"><b>Historic Preservation</b></p> <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <b>3/6/06 Jm</b>
--

**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

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716		<b>Permit No:</b> 06-0183	<b>Date Applied For:</b> 02/03/2006	<b>CBL:</b> 129 G015001
<b>Location of Construction:</b> 25 CODMAN ST	<b>Owner Name:</b> ORLANDO MARK G	<b>Owner Address:</b> 25 CODMAN ST		<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> Jim Grosman	<b>Contractor Address:</b> Portland		<b>Phone:</b>
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Alterations - Dwellings		
<b>Proposed Use:</b> Residential 2 unit Reinforce roof rafters prior to new roof		<b>Proposed Project Description:</b> Reinforce roof rafters prior to new roof		
<b>Dept:</b> Zoning <b>Status:</b> Approved		<b>Reviewer:</b> Tom Markley		<b>Approval Date:</b> 03/06/2006
<b>Note:</b>		<b>Ok to Issue:</b> <input checked="" type="checkbox"/>		

<b>Dept:</b> Building <b>Status:</b> Approved with Conditions		<b>Reviewer:</b> Tom Markley		<b>Approval Date:</b> 03/06/2006
<b>Note:</b>		<b>Ok to Issue:</b> <input checked="" type="checkbox"/>		
1) Separate permits are required for any electrical, plumbing, or heating. 2) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.				

[Delete](#) | 
 [Schedule Inspection](#) | 
 [Add](#) | 
 [Find](#) | 
 [Print Permit](#) | 
 [Print C of O](#) | 
 [Print Insp](#) | 
 [Invoicing](#) | 
 [Taxes](#)

Prmt	Text93	34342	Constr Type	Other	Num1	6
Permit Nbr	06-0197	Location of Construction	31 WALDRON WAY	Appl. Date		
Status	Open	Permit Type	Tanks - Commercial	Issue Date		
CBL	311 A012001	District Nbr	5	Estimated Cost	\$35.00	Date Closed

Other Permits Referenced			
Plan Appl Id	- 0	Lot #	
Contractor	ENPRO Services, Inc.		
Address	12 Mulliken Way		
City, State, Zip	Newburport	MA	01950
Phone	(978) 465-1595	Pager	
Fax			
e-mail			
License Nbrs:			
Electrical		Plumbing	
Gas		Oil Burner	
Reg. Nbr		Professional	
Business Name			
Lessee/Buyer			
Phone			
Owner	DAC LLC		
Address	31 WALDRON WAY		
City, State & Zip	PORTLAND, ME 04103		
Phone			
Past Use	Commercial		
Proposed Use	Commercial/ install a 6000 g on concrete pad		
Project Desc	install a 6000 gallon oil tank pad		
CreatedBy	ldobson	CreateDate	02/08/2006
		ModBy	ldobson
		ModDate	02/09
		Time	3:33 PM
		Time	8:



# 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.

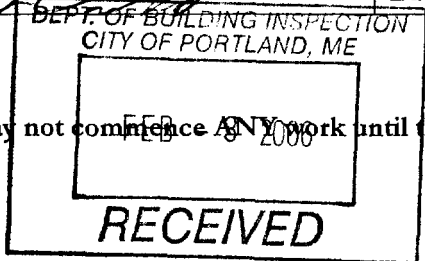
2	
Total Square Footage of Proposed Structure <i>N/A</i>	Square Footage of Lot <i>7123 S.F.</i>
<i>129 G</i> Lot# <i>15</i>	<i>MARK G. ORLANDO</i> <i>207-653-3460</i>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <i>MARK ORLANDO</i> <i>25 CODMAN ST</i> <i>PORTLAND, ME 04103</i>
	Cost Of Work: \$ <i>4000-</i> Fee: \$ <i>57.00</i> C of O Fee: \$ <i>N/A</i>
Current Specific use: <u><i>ATTIC</i></u> Proposed Specific use: <u><i>ATTIC</i></u>	
Project description: <i>REINFORCE ROOF RAFTERS PRIOR TO NEW ROOF.</i>	
Contractor's name, address & telephone: <i>JIM SMAN, BRUNSWICK, ME 207-841-5028</i>	
Who should we contact when the permit is ready: <i>MARK ORLANDO</i>	
Mailing address: <i>25 CODMAN ST</i> <i>PORTLAND, ME 04103</i>	Phone: <i>207-653-3460</i>

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

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at [www.portlandmaine.gov](http://www.portlandmaine.gov), stop by the Building Inspections office, room 315 City Hall or call 874-8703.

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

Signature of applicant: <i>[Signature]</i>	Date: <i>2/1/05</i>
--	---------------------



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

**SNOW LOADING (ASCE 7-02)**

**John G. Mitchell, S.E., P.E.**  
 28 Lake Street  
 Auburn, ME 04210  
 [207] 782-8006

**Project Title:** Mark's House  
**Location:** Portland, Maine  
**Work Order:** \_\_\_\_\_  
**Date:** 3-Feb-06

1. UNDRIPPING ROOFS:

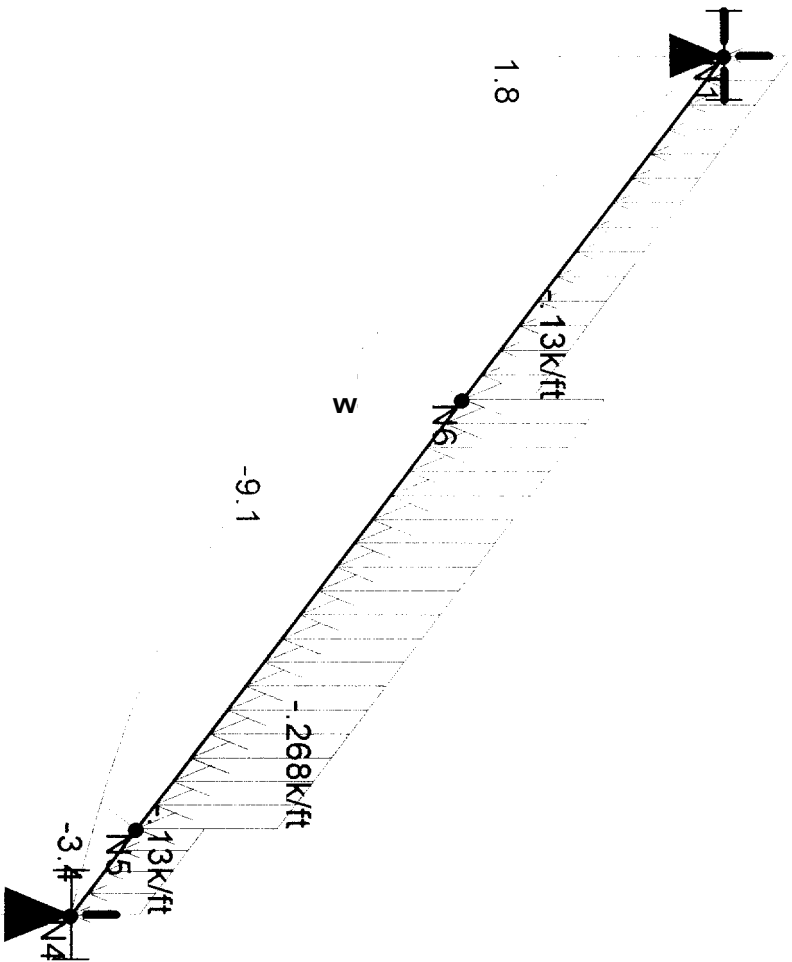
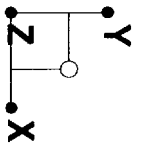
Roof Slope =  :12  
 Angle = 33.69  
 $C_g = 0.908$

$I_s$	Width higher roof =	0.00	feet
$I_u$	Width lower roof =	0.00	feet
$P_g$	Ground Snow Load =	60.00	Fig 1608.2(2) *
	Category =	II	Table 1608.3.3.1
$I_s$	Importance Factor =	1.00	Table 1608.3.3
$C_e$	Snow exposure factor =	1.00	Table 1608.3.1
$C_t$	Thermal Factor =	1.10	Table 1608.3.2
$P_f$	Minimum roof snow load =	2.11	feet = 46.00 psf
$D$	Density of Snow =	21.80	pcf
$h_e$	Difference in height =	0.00	feet
$h_d$	Height of drift (Leeward) =	0.00	feet = 0.00 psf
$h_d$	Height of drift (Windward) =	0.00	feet
$W_d$	Width of drift =	0.00	feet
	Sliding Snow =	None	feet
		2.11	feet

$P_s = 41.76$  psf  
 0.00 psf  
41.76 psf

**Unbalanced Snow Load (7-98)**

Leeward Ridge = 62.63 psf  
 Windward = 0.00 psf  
 L =  ft  
 W =  ft  
 L/W = 1.30  
 Leeward  
 Eave



Loads: LC 1, DL+SNOW  
 Results for LC 1, DL+SNOW  
 Member z Bending Moments (k-ft)  
 Reaction units are k and k-ft

2.2

John G. Mitchell, SE, PE

Feb 3, 2006  
 Marks roof.r3d

John 6. Mitchell, S.E., P.E.  
 28 Lake Street  
 Auburn, ME 04210  
 [207] 782-8006

Project Title: Mark's Hse  
 Location: Portland, ME  
 Project No:  
 Date: 3-Feb-06

<u>ROOF LOADS</u>		<u>SNOW LOAD</u>		<u>UNBAL</u>
ROOFING	2.50 PSF	8:12	42.0 PSF	57.0
DECKING	2.20		PSF (PLUS DRIFT)	
JOISTS	2.00		Windward	0.0
BEAM	1.00			
INSULATION				
MECH'L & COLL.	-			
	7.70 PSF	USE	8.0 PSF - Minimum	
CLG JOISTS	2.50			
STRAPPING	1.00			
INSULATION		ATTIC	10.0 PSF	
CEILING	3.00			
MECH'L & COLL.	3.00			
	17.20 PSF	USE	17.0 PSF - Minimum	
<u>FLOOR LOADS</u>		<u>LIVE LOAD</u>		
FINISH	1.50 PSF	1ST FLR	- PSF	
SHEATHING/DK'G	2.50	2ND FLR	- PSF	
JOISTS	2.50	3RD FLR	- PSF	
BEAM	-			
MECH'L & MISC				
	6.50 PSF	USE	7.0 PSF	
STRAPPING	0.75			
CLG	2.80			
MECH'L & MISC				
	10.05 PSF	USE	10.0 PSF	



1	M4	Y	-.016	-.016	0	0
2	M6	Y	-.016	-.016	0	0
3	M5	Y	-.008	-.008	0	0
4	M5	Y	-.032	-.032	0	0

1	M6	Y	-.114	-.114	0	0
2	M4	Y	-.114	-.114	0	0
3	M5	Y	-.228	-.228	0	0

**Member Section Stresses (By Combination)**

LC	Member Label	Sec	Axial[ksi]	y Shear[ksi]	z Shear[ksi]	y top Bendin...	y bot Bendin...	z top Bendin...	z bot Bendin...
1	1	M4	1	.065	.13	0	0	0	0
2			2	.063	.126	0	.258	-.258	0
3			3	.061	.122	0	.509	-.509	0
4			4	.059	.118	0	.751	-.751	0
5			5	.057	.114	0	.986	-.986	0
6	1	M5	1	.057	.114	0	.986	-.986	0
7			2	.037	.075	0	1.941	-1.941	0
8			3	.018	.035	0	2.497	-2.497	0
9			4	-.002	-.004	0	2.655	-2.655	0
10			5	-.022	-.043	0	2.415	-2.415	0
11	1	M6	1	-.022	-.043	0	2.415	-2.415	0
12			2	-.03	-.059	0	2	-2	0
13			3	-.037	-.075	0	1.46	-1.46	0
14			4	-.045	-.09	0	.793	-.793	0
15			5	-.053	-.106	0	0	0	0

**Member Section Deflections (By Combination)**

LC	Member Label	Sec	x [in]	y [in]	z [in]	x Rotate[rad]	(n) L/y Ratio	(n) L/z Ratio
1	1	M4	1	0	0	0	NC	NC
2			2	0	-.108	0	NC	NC
3			3	0	-.215	0	7819.692	NC
4			4	0	-.321	0	8980.062	NC
5			5	0	-.424	0	NC	NC
6	1	M5	1	0	-.424	0	NC	NC
7			2	0	-.88	0	477.161	NC
8			3	-.001	-1.192	0	334.825	NC
9			4	-.002	-1.317	0	430.787	NC
10			5	-.002	-1.243	0	NC	NC
11	1	M6	1	-.002	-1.243	0	NC	NC
12			2	-.001	-1.049	0	820.365	NC
13			3	0	-.759	0	698.058	NC
14			4	0	-.399	0	1094.185	NC
15			5	0	0	0	NC	NC

$\Delta = 1.32 = \frac{1}{132}$