

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

**CITY OF PORTLAND**

BU...TION

**PERMIT**

Please Read Application And Notes, If Any, Attached

Permit Number: 090288

This is to certify that WARREN PROPERTIES LIMITED PARTNERSHIP/Sheridan for  
has permission to LL Bean Warehouse - End wall column repair  
AT 765 WARREN AVE 316 A003001

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 lath or other work is used-in. 2 HO... 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

*[Handwritten Signature]*  
4/9/09  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

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

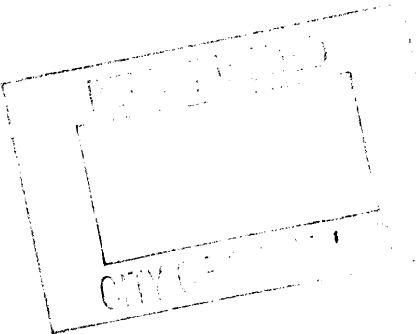
389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 09-0288	Issue Date:	CBL: 316 A003001
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Location of Construction: 765 WARREN AVE	Owner Name: WARREN PROPERTIES LIMITE	Owner Address: ONE CANAL PLAZA	Phone:
Business Name:	Contractor Name: Sheridan Corporation	Contractor Address: PO Box 359 Fairfield	Phone 2074539311
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	Zone: I-M

Past Use: Commercial - LL Bean Warehouse	Proposed Use: Commercial - LL Bean Warehouse - End wall Column repair	Permit Fee: \$120.00	Cost of Work: \$10,000.00	CEO District: 5
Proposed Project Description: LL Bean Warehouse - End wall Column repair		FIRE DEPT: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Denied <i>N/A</i>	INSPECTION: Use Group: <i>5-2</i> Type: <i>II</i> <i>IBC 2003</i>	
		Signature:	Signature:	
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)				
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input checked="" type="checkbox"/> Denied				
Signature: _____ Date: _____				

Permit Taken By: Ldobson	Date Applied For: 04/07/2009	<b>Zoning Approval</b>
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<ol style="list-style-type: none"> <li>This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</li> <li>Building permits do not include plumbing, septic or electrical work.</li> <li>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..</li> </ol>	<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <i>all work w/in existing footprint</i> <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"/> <i>OK w/cond. has</i> Date: <i>4/8/09 ABU</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> <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 <i>ABU</i> Date: _____
			

**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

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

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

<b>Permit No:</b> 09-0288	<b>Date Applied For:</b> 04/07/2009	<b>CBL:</b> 316 A003001
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<b>Location of Construction:</b> 765 WARREN AVE	<b>Owner Name:</b> WARREN PROPERTIES LIMITE	<b>Owner Address:</b> ONE CANAL PLAZA	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> Sheridan Corporation	<b>Contractor Address:</b> PO Box 359 Fairfield	<b>Phone:</b> (207) 453-9311
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Alterations - Commercial	

<b>Proposed Use:</b> Commercial - LL Bean Warehouse - End wall Column repair	<b>Proposed Project Description:</b> LL Bean Warehouse - End wall Column repair
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**Dept:** Zoning      **Status:** Approved with Conditions      **Reviewer:** Ann Machado      **Approval Date:** 04/08/2009

**Note:** **Ok to Issue:**

- 1) This permit is being issued with the condition that all the work will take place within the existing footprint.
- 2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

**Dept:** Building      **Status:** Approved      **Reviewer:** Tammy Munson      **Approval Date:** 04/09/2009

**Note:** **Ok to Issue:**





# 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>L.L. Bean Warehouse</u> <u>765 Warren Avenue, Portland, Maine</u>		
Total Square Footage of Proposed Structure/Area Existing Warehouse		Square Footage of Lot <u>N/A - Repair of Single Column</u>
Tax Assessor's Chart, Block & Lot Chart# <u>316</u> Block# <u>A</u> Lot# <u>3</u>	Applicant * <b>must be owner, Lessee or Buyer</b> * Name <u>Dana C. Sturtevant</u> Address <u>P.O. Box 359</u> City, State & Zip <u>Fairfield, ME 04937</u>	Telephone: <u>(207) 453-9311</u>
Lessee/DBA (If Applicable)  <u>N/A</u>	Owner (if different from Applicant) Name <u>L.L. Bean Co.</u> Address <u>Main Street</u> City, State & Zip <u>Freeport, ME 04032</u>	Cost Of Work: \$ <u>10,000.00</u> C of O Fee: \$ <u>0.00</u> Total Fee: \$ <u>120.00</u>
Current legal use (i.e. single family) <u>Warehouse</u> If vacant, what was the previous use? <u>N/A</u> Proposed Specific use: <u>Same</u> Is property part of a subdivision? <u>No</u> If yes, please name _____ Project description:		
Contractor's name: <u>The Sheridan Corporation</u> Address: <u>P.O. Box 359</u> City, State & Zip <u>Fairfield, Maine 04937</u> Telephone: <u>(207) 453-9311</u> Who should we contact when the permit is ready: <u>Dana C. Sturtevant</u> Telephone: <u>(207) 453-9311</u> Mailing address: <u>The Sheridan Corporation, P.O. Box 359, Fairfield, Maine 04937</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 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: \_\_\_\_\_ Date: 4/07/2009

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



# Certificate of Design Application

From Designer: Dana c. Sturtevant  
 Date: 4/07/2009  
 Job Name: L.L. Bean Warehouse Emergency Column Repair  
 Address of Construction: Warehouse Avenue

## 2003 International Building Code

Construction project was designed to the building code criteria listed below:

Building Code & Year IBC 2003 Use Group Classification (s) S-2

Type of Construction Type II (000)

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC Existing

Is the Structure mixed use? No If yes, separated or non separated or non separated (section 302.3) ---

Supervisory alarm System? Yes Geotechnical/Soils report required? (See Section 1802.2) N/A

### Structural Design Calculations

                     Submitted for all structural members (106.1 – 106.11)

### Design Loads on Construction Documents (1603)

Uniformly distributed floor live loads (7603.11, 1807)

                                           
 Floor Area Use                      Loads Shown                       
Partial replacement of damaged column for a  
Butler pre-engineered building design based on  
BOCA 1987 Code = replaced in kind.

### Wind loads (1603.1.4, 1609)

                     Design option utilized (1609.1.1, 1609.6)  
82 mph Basic wind speed (1809.3) Based on BOCA 1987  
                     Building category and wind importance Factor,  $w_p$   
B Wind exposure category (1609.4)  
                     Internal pressure coefficient (ASCE 7)  
                     Component and cladding pressures (1609.1.1, 1609.6.2.2)  
                     Main force wind pressures (7603.1.1, 1609.6.2.1)

### Earth design data (1603.1.5, 1614-1623)

                     Design option utilized (1614.1)  
II Seismic use group ("Category")  
                     Spectral response coefficients,  $S_D$  &  $S_1$  (1615.1)  
                     Site class (1615.1.5)

                     Live load reduction  
                     Roof *live* loads (1603.1.2, 1607.11)  
50 Roof snow loads (1603.7.3, 1608)  
                     Ground snow load,  $P_g$  (1608.2)  
                     If  $P_g > 10$  psf, flat-roof snow load  $P_f$   
                     If  $P_g > 10$  psf, snow exposure factor,  $C_e$   
                     If  $P_g > 10$  psf, snow load importance factor,  $I_s$   
                     Roof thermal factor,  $C_t$  (1608.4)  
                     Sloped roof snowload,  $P_s$  (1608.4)  
                     Seismic design category (1616.3)  
                     Basic seismic force resisting system (1617.6.2)  
                     Response modification coefficient,  $R$ , and  
                     deflection amplification factor,  $C_d$  (1617.6.2)  
                     Analysis procedure (1616.6, 1617.5)  
                     Design base shear (1617.4, 1617.5.1)

### Flood loads (1803.1.6, 1612)

N/A Flood Hazard area (1612.3)  
                     Elevation of structure

### Other loads

N/A Concentrated loads (1607.4)  
                     Partition loads (1607.5)  
3# sq. ft. Misc. loads (Table 1607.8, 1607.6.1, 1607.7,  
 1607.12, 1607.13, 1610, 1611, 2404)



# Accessibility Building Code Certificate

Designer: \_\_\_\_\_ N/A \_\_\_\_\_

Address of Project: \_\_\_\_\_ L.I. BEAN - COLUMN REPAIR - \_\_\_\_\_

Nature of Project: \_\_\_\_\_ WARREN AVENUE, PORTLAND, ME \_\_\_\_\_

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act. Residential Buildings with 4 units or more must conform to the Federal Fair Housing Accessibility Standards. Please provide proof of compliance if applicable.

Signature: \_\_\_\_\_ *Paul C. Stee* \_\_\_\_\_

Title: \_\_\_\_\_ ENGINEER \_\_\_\_\_

**(SEAL)**

Firm: \_\_\_\_\_ THE SHERIDAN CORP \_\_\_\_\_

Address: \_\_\_\_\_ P.O. BOX 359 \_\_\_\_\_

\_\_\_\_\_ FAIRFIELD, ME 04937 \_\_\_\_\_

Phone: \_\_\_\_\_ 207-433-9311 \_\_\_\_\_

For more information or to download this form and other permit applications visit the Inspections Division on our website at [www.portlandmaine.gov](http://www.portlandmaine.gov)



# Certificate of Design

**Date:** 4/07/2009

**From:** The Sheridan Corporation

These plans and / or specifications covering construction work on:

Repair to endwall column damaged by plowing contractor.

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the *2003 International Building Code* and local amendments.

Signature:   
Dana C. Sturtevant

Title: Engineering Manager, P.E.

Firm: The Sheridan Corporation

Address: P.O. Box 359  
Fairfield, Maine 04937

Phone: (207) 453-9311

**(SEAL)**

For more information or to download this form and other permit applications visit the Inspections Division on our website at [www.portlandmaine.gov](http://www.portlandmaine.gov)

GIVEN: CORNER END WALL COLUMN DESIGNED BY  
BUTLER MANUFACTURING PER BOCA BY  
SINGLE STORY 34' HI  
SIZE - PROPRIETARY COLUMN  
BY BUTLER MANUFACTURING CO

12" DEEP  
7" FLANGE  
5/16" FLANGE THICKNESS

w/ 9" x 12" x 3/8" BASE PLATE

ANCHORAGE = 4 - 3/4" ANCHOR BOLT

SUPPORT - 16" WIDE FRONT WALL FOUNDATION  
PIER

COLUMN LATERALLY SUPPORTED

@ 7'-6", 7'-0", 7'-0", 7'-0" COAD  
FORMED GIRTS

ROOF LOAD AREA - 10' x 44' ROOF BEAM SPAN

$$\therefore \text{LOAD AREA} = 5' \times 22' = 110 \text{ FT}^2$$

ALLOW SNOW LOAD = 50 #/FT<sup>2</sup>

DEAD LOAD = 10 #/FT<sup>2</sup>

WIND LOAD = 0 #/FT<sup>2</sup>

$$63 \text{ #/FT}^2$$

FINAL COLUMN

DESIGN FOR 70 #/FT<sup>2</sup> FOR ADDITIONAL F.S.

$$\therefore \text{COLUMN LOAD} > 70 \text{ #/FT}^2 \times 110 \text{ FT}^2 = 7,700 \text{ LB}$$

$$= 7.7 \text{ KIPS}$$

BY 8 KIPS

FIND HOT ROLLED SECTION

TO SUPPORT UNBRACED SECTION @ 18' HI.

FROM AISC COLUMN LOAD TABLES -  $F_y = 50 \text{ KSI}$

A W16X15 WITH LARGEST 30 KIPS @ 18' UNBRACED

CHOOSE W12X16 FOR DIMENSIONAL COMPATIBILITY  
= 77 LOAD THAN REQ'D

USE W12X16 @ 16" W/ LATERAL SUPPORT

7'-6", 7'-7"







The Sheridan Corporation  
 P. O. Box 359  
 Fairfield, Maine 04937

# LETTER OF TRANSMITTAL

DATE	<b>04-07-09</b>	JOB NO.	<b>88-601</b>
ATTENTION	<b>Code Enforcement Officer</b>		
RE	L. L. Bean, Portland, Maine <b>Building Permit Application</b> <b>Column Repair</b> <b>L. L. Bean Warehouse</b> <b>765 Warren Ave, Portland, Maine</b>		

TO **City of Portland, Maine**  
**City Hall**  
**389 Congress St.**  
**Portland, Maine 04101**

GENTLEMEN:

- WE ARE SENDING YOU  **Attached**  Under separate cover via \_\_\_\_\_ the following items:
- Shop drawings  Prints  **Plans**  Samples  Specifications
- Copy of letter  Change order  **Building Permit Application and check** \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
1	4-7-09	N. A.	<b>Building Permit Application for Foundations</b>
1	4-7-09	N. A.	<b>Check in the amount of \$120.00</b>
1	10-19-87	A1	<b>Existing Building Footprint Location Plan</b>
1	4-7-09	STI	<b>Structural Details</b>


THESE ARE TRANSMITTED as checked below:

- For approval  Approved as submitted  Resubmit \_\_\_\_\_ copies for approval
- For your use  Approved as noted  Submit \_\_\_\_\_ copies for distribution
- As requested  Returned for corrections  Return \_\_\_\_\_ corrected prints
- For review and comment  \_\_\_\_\_
- FOR BIDS DUE \_\_\_\_\_ 19\_\_\_\_\_  PRINTS RETURNED AFTER LOAN TO US

REMARKS:

We enclose our plans showing the structural repair to the lower portion of a corner endwall column that was damaged by an accidental blow to the exterior corner column and siding by a snowplow apparatus this past winter. We intend to replace the damaged portion with a new hot rolled mill section and replace the damaged exterior siding as shown on our plans.

Sheridan's selected subcontractors will be responsible for providing necessary plans of their work and for specific permits as required by the authorities having jurisdiction.

SIGNED:  4/7/09

*If enclosures are not as noted, kindly notify us at once.*