Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

B... INSPECTION

PERMIT

Please Read Application And Notes, If Any, Attached

Permit Number: 070993

PERMIT ISSUED

SEP 10 2007

CITY OF PORTLAND

This is to certify that MJH - PORT LLC /Sheridan ...poratio...

has permission to FOUNDATION ONLY - for ...y Hamm... Lumb...

AT 300 RIVERSIDE ST ... 316 A001001

provided that the person or persons, firm or ... cepting this permit shall comply with all of the provisions of the Statutes of M...ine and of th... ances of the City of Portland regulating the construction, maintenance and u... of buildings and st...ctures, 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.

N...ficatio... inspec...n must g...n and w...n permis...n procu... b...re this ...ding or ...t thereo... la...ed or c... ...losed-in. ... H...R 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. Greg Cross

Health Dept. _____

Appeal Board _____

Other _____
Department Name

9/7/07
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:	Issue Date:	CBL:
07-0993		316 A001001

Location of Construction:	Owner Name:	Owner Address:	Phone:
300 RIVERSIDE ST	MJH - PORT LLC	PO BOX 500	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Sheridan Corporation	PO Box 359 Fairfield	2074539311
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		Foundation Only/Commercial	B-4

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
Vacant Land - Foundation ONLY permit connected w/ permit#070938	FOUNDATION ONLY Connected w/ permit # 070938 for new Hammond Lumber Co w/ 15,480 sq ft of retail space & 44,431 sq ft warehouse		$0.00	5

FIRE DEPT: ✓ Approved / Denied

Signature: Greg Cass

INSPECTION:

Use Group: Type:

Signature:

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: Approved / Approved w/Conditions / Denied

Signature: Date:

Proposed Project Description:

FOUNDATION ONLY - for new Hammond Lumber

Permit Taken By:	Date Applied For:
ldobson	08/15/2007

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..

PERMIT ISSUED

SEP 10 2007

CITY OF PORTLAND

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
Shoreland N/A	Variance	✓ Not in District or Landmark
Wetland N/A	Miscellaneous	Does Not Require Review
Flood Zone Panel 6 Zone X	Conditional Use	Requires Review
Subdivision	Interpretation	Approved
X Site Plan #2006-022	Approved	Approved w/Conditions
Maj X Minor MM	Denied	Denied
Date: OK w/ Conditions 9/15/07	Date:	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

CHRIS WALSH & COMPANY

9 Vernon Street
Framingham, MA 01701
fax : 508 820 9708
phone : 508 820 9707
email: arcwalsh@rcn.com

To Lannie Dobson
Building Dept

fax

Job Hammond Lumber.

Date 8.16.07

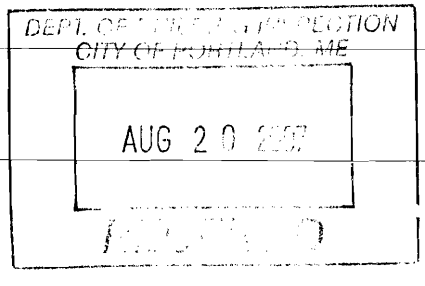
From Chris Walsh

TRANSMITAL

remarks

Lannie, I faxed over a copy of this - Here is the Hard copy - This should complete the building Permit Application - for Hammond Lumber - please let me know - if there is anything Else you need -

Chris Walsh



Statement of Special Inspections

Project: Hammond Lumber Co.
Location: 300 Riverside Street
Owner: Hammond Lumber.
Design Professional in Responsible Charge:

This *Statement of Special Inspections* is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This *Statement of Special Inspections* encompass the following disciplines:

☒ Structural ☐ Mechanical/Electrical/Plumbing
☒ Architectural ☐ Other: _____

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

A *Final Report of Special Inspections* documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Interim Report Frequency: or ☐ per attached schedule.

Prepared by:

Robert R. Dion
(type or print name)

Robert R. Dion 8-15-07
Signature Date

REGISTERED ARCHITECT
ROBERT R. DION
No. 509
STATE OF MAINE
Design Professional Seal

Owner's Authorization:

Mike Hunt 8-16-07
Signature Date

Building Official's Acceptance:

Signature Date

Schedule of Inspection and Testing Agencies

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- [x] Soils and Foundations
- [x] Cast-in-Place Concrete
- [ ] Precast Concrete
- [ ] Masonry
- [x] Structural Steel
- [ ] Cold-Formed Steel Framing
- [ ] Spray Fire Resistant Material
- [ ] Wood Construction
- [x] Exterior Insulation and Finish System
- [ ] Mechanical & Electrical Systems
- [ ] Architectural Systems
- [ ] Special Cases

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. **Special Inspection Coordinator** CHRIS WALSH, AIA	CHRIS WALSH & Company ARCHITECTS	9 VERNON STREET FRAMINGHAM MA 01701 5088209707 ARCWALSH@RCN.com
2. Inspector DOMENIC DEANGELO, PE	DOMENIC DEANGELO PE	5 MICHAEL RD EAST BRIDGEWATER MA 02333 5083789602 domdean@aol.com
3. Inspector MIKE WALSH P.E.	SUMMIT ENVIRONMENTAL CONSULTANTS	640 MAIN STREET Lewiston ME 04240 207 795 6009 MWALSH @ SUMMITENV.COM
4. Testing Agency SUMMIT ENVIROMENTAL	SUMMIT ENVIROMENTAL Consultants	640 MAIN ST Lewiston ME 04240 207 795 6009
5. Testing Agency		
6. Other		

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

Soils and Foundations

Item	Agency # (Qualif.)	Scope
1. Shallow Foundations Summit Environmental Consultants	*PE/GE*	*Inspect soils below footings for adequate bearing capacity and consistency with geotechnical report.* *Inspect removal of unsuitable material and preparation of subgrade prior to placement of controlled fill*
2. Controlled Structural Fill Summit Environmental Consultants	*PE/GE*	*Perform sieve tests (ASTM D422 & D1140) and modified Proctor tests (ASTM D1557) of each source of fill material.* *Inspect placement, lift thickness and compaction of controlled fill.* *Test density of each lift of fill by nuclear methods (ASTM D2922)* *Verify extent and slope of fill placement.*
3. Deep Foundations	*PE/GE*	*Inspect and log pile driving operations. Record pile driving resistance and verify compliance with driving criteria.* *Inspect piles for damage from driving and plumbness.* *Verify pile size, length and accessories.* *Inspect installation of drilled pier foundations. Verify pier diameter, bell diameter, lengths, embedment into bedrock and suitability of end bearing strata.*
4. Load Testing		
4. Other:		

Cast-in-Place Concrete

Item	Agency # (Qualif.)	Scope
1. Mix Design DOMENIC DEANGELO P.E.	*ACI-CCI* *ICC-RCSI*	*Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design.*
2. Material Certification		
3. Reinforcement Installation SUMMIT ENVIRONMENTAL CONSULTANTS	*ACI-CCI* *ICC-RCSI*	*Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters*
4. Post-Tensioning Operations	*ICC-PCSI*	*Inspect placement, stressing, grouting and protection of post-tensioning tendons. Verify that tendons are correctly positioned, supported, tied and wrapped. Record tendon elongations.*
5. Welding of Reinforcing	*AWS-CWI*	*Visually inspect all reinforcing steel welds. Verify weldability of reinforcing steel. Inspect preheating of steel when required.*
6. Anchor Rods SUMMIT ENVIRONMENTAL CONSULTANTS		*Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.*
7. Concrete Placement SUMMIT ENVIRONMENTAL CONSULTANTS	*ACI-CCI* *ICC-RCSI*	*Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.*
8. Sampling and Testing of Concrete SUMMIT ENVIRONMENTAL CONSULTANTS	*ACI-CFTT* *ACI-STT*	*Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064).*
9. Curing and Protection SUMMIT ENVIRONMENTAL CONSULTANTS	*ACI-CCI* *ICC-RCSI*	*Inspect curing, cold weather protection and hot weather protection procedures.*
10. Other:		

Structural Steel

Item	Agency # (Qualif.)	Scope
1. Fabricator Certification/ Quality Control Procedures ☒ Fabricator Exempt	*AWS/AISC-SSI ICC-SWSI*	*Review shop fabrication and quality control procedures.*
2. Material Certification Summit Environmental Consultants	*AWS/AISC-SSI ICC-SWSI*	*Review certified mill test reports and identification markings on wide-flange shapes, high-strength bolts, nuts and welding electrodes*
3. Open Web Steel Joists Summit Environmental Consultants		*Inspect installation, field welding and bridging of joists.*
4. Bolting Summit Environmental Consultants	*AWS/AISC-SSI ICC-SWSI*	*Inspect installation and tightening of high-strength bolts. Verify that splines have separated from tension control bolts. Verify proper tightening sequence. Continuous inspection of bolts in slip-critical connections.*
5. Welding NA	*AWS-CWI* *ASNT*	*Visually inspect all welds. Inspect pre-heat, post-heat and surface preparation between passes. Verify size and length of fillet welds.* *Ultrasonic testing of all full-penetration welds.*
6. Shear Connectors NA	*AWS/AISC-SSI ICC-SWSI*	*Inspect size, number, positioning and welding of shear connectors. Inspect suds for full 360 degree flash. Ring test all shear connectors with a 3 lb hammer. Bend test all questionable studs to 15 degrees.*
7. Structural Details Domenic DeAngelo PE	*PE/SE*	*Inspect steel frame for compliance with structural drawings, including bracing, member configuration and connection details.*
8. Metal Deck Domenic DeAngelo PE	*AWS-CWI*	*Inspect welding and side-lap fastening of metal roof and floor deck.*
9. Other:		

Architectural Systems

Item	Agency # (Qualif.)	Scope
1. Wall Panels & Veneers		
2. Suspended Ceilings Domonic DeAngelo PE.		CHECK INSTALLATION PROCEDURES FOR GRIDS & LIGHTS.
3. Access Floors		
4. Other:		

Quality Assurance Plan

Quality Assurance for Seismic Resistance

Seismic Design Category D

Quality Assurance Plan Required (Y/N) YES

Description of seismic force resisting system and designated seismic systems:

ORDINARY STEEL CONCENTRICALLY BRACED FRAMES

Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust) 90 MPH

Wind Exposure Category B

Quality Assurance Plan Required (Y/N) NO

Description of wind force resisting system and designated wind resisting components:

ORDINARY STEEL CONCENTRICALLY BRACED FRAMES

Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility.

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: 300 RIVERSIDE ST PORTLAND ME 04103		
Total Square Footage of Proposed Structure 44,431 # WAREHOUSE 15,480 # RETAIL	Square Footage of Lot 234,775 # or 5.39 ACRES	
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# 316 LOT 1 & 317 LOT 3	Owner: Hammond Lumber Company P.O. Box 500 BELGRADE ME 04917	Telephone: 207 495 3303
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: MICHAEL Hammond V.P. Hammond Lumber Co. P.O. BOX 500 BELGRADE ME 04917 207-495-3303	Cost Of Work: $ Fee: $ C of O Fee: $

Current legal use (i.e. single family) —
If vacant, what was the previous use? RESIDENTIAL
Proposed Specific use: Lumber STORAGE/RETAIL S1 & M1
Is property part of a subdivision? NO If yes, please name
Project description:
Lumberyard Consisting of 2 Buildings - RETAIL & STORAGE
NEW Construction.

Contractor's name, address & telephone: THE Sheridan Corporation, 33 Sheridan DRIVE
207-453-9311 FAIRFIELD ME. 04937
Who should we contact when the permit is ready: Wilbur FERLAND - Project MANAGER
Mailing address: Phone: 207 453-9311
33 Sheridan DRIVE
FAIRFIELD, ME 04937

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.

PAID

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND
AUG 3 2007
RECEIVED

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, 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 of applicant:	Date: August 3, 2007

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

completeness check

Applicant: Hammond Lumber Date: 11/21/06

Address: 300 Riverside St C-B-L: 316-A-001
317 - - 17

CHECK-LIST AGAINST ZONING ORDINANCE

#07-0938
#07-0993 - Found date

Date - New Dev.

Zone Location - B-4

Interior or corner lot - Warren

Proposed Use/Work - retail Lumber

Lumber & building materials dealers
Bldg 1 - retail - 16,315 ft²
Bldg 2 - Drive Thru - 43,600 ft²
Bldg 3 - Storage - 2400 ft²
20 x 120
52,315 ft²

Sewage Disposal - Private

Lot Street Frontage - 60' min - 557.65'

Front Yard - Warren 20' min - 65' scaled

Rear Yard - 20' min - 46' at closest
1-2 st - 10' min - 34' given (10'+24')

Side Yard - 3 story 12' min

Side yard on Side St: 1-2 stories - 10' min - 73' to Riverside at closest
3 stor 12' min

Projections -

Width of Lot - 60' min - well over

Height - 65' max - 1 story shown

Lot Area - 10,000 ft² min 234,775 ft² given

Lot Coverage/Impervious Surface - 80% max - 4.02 given / 5.39 total Land } 75%

Area per Family - N/A

Off-street Parking - To be decided by PB over 50,000 ft²

Loading Bays - has Drive Thru bays (2 loading)

Site Plan - 2006-0227

Shoreland Zoning/Stream Protection - N/A

Flood Plains - Panel 6 - Zone C

Floor Area Ratio: R-3 closest .55 to .6 $\frac{52315}{234,775} = 22\%$

PORTLAND MAINE

Planning Division
Jean Fraser, Planner

8.13.2007.

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
AUG 14 2007
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Marge

Hammond Lumber

Just to confirm recent discussions - this plan set (dated mostly 6.28.07) was submitted July 2, 2007 and is approved (except for landscape plan, wayfinding and 2 orange circled areas) as basis for issuing Foundation Permit.

If the set submitted with the BP applic. do not accord with this set, please let me know.

I have asked Tom Seymour for more copies of plan set as this is Phil's - but keep it on Inspection's file so that Foundation Permit can be progressed as quickly as possible.

Apologies for confusion ... Jean.

389 Congress Street, 4th floor • Portland, ME • (207) 874-8728 • Fx 756-8258
Email: jf@portlandmaine.gov

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM

Zoning Copy

11/22/06

2006-0227
Application I. D. Number

11/16/2006
Application Date

Hammond Lumber Co.
Applicant

P.O. Box 500, Belgrade, ME 04917
Applicant's Mailing Address

Hammond Lumber Warehouse/Retail S
Project Name/Description

Consultant/Agent

300 - 300 Riverside Street, Portland, Maine
Address of Proposed Site

Applicant Ph: (207) 495-1116 **Applicant Fax: (207) 495-2304**
Applicant or Agent Daytime Telephone, Fax

316 A001001
Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): ☑ New Building ☐ Building Addition ☐ Change Of Use ☐ Residential ☐ Office ☑ Retail ☐ Manufacturing ☑ Warehouse/Distribution ☑ Parking Lot ☐ Apt **0** ☐ Condo **0** ☐ Other (specify)

Proposed Building square Feet or # of Units	Acreage of Site	Zoning
	234775	**B4**

Check Review Required:

☑ Site Plan (major/minor)	☐ Zoning Conditional - PB	☐ Subdivision # of lots		
☐ Amendment to Plan - Board Review	☐ Zoning Conditional - ZBA	☐ Shoreland	☐ Historic Preservation	☐ DEP Local Certification
☐ Amendment to Plan - Staff Review		☐ Zoning Variance	☐ Flood Hazard	☑ Site Location
☐ After the Fact - Major		☐ Stormwater	☑ Traffic Movement	☐ Other
☐ After the Fact - Minor		☐ PAD Review	☐ 14-403 Streets Review	

Fees Paid: Site Plan **$5,000.00** Subdivision _____ Engineer Review _____ Date **11/16/2006**

Zoning Approval Status:

Reviewer **Marge Schmuckal**

☐ **Approved** ☐ **Approved w/Conditions** See Attached ☐ **Denied**

Approval Date _____ Approval Expiration _____ Extension to _____ ☐ Additional Sheets Attached

☐ Condition Compliance **Marge Schmuckal** (signature) **11/21/2006** (date) _____

Performance Guarantee ☐ **Required*** ☐ **Not Required**

* No building permit may be issued until a performance guarantee has been submitted as indicated below

☐ Performance Guarantee Accepted	date	amount	expiration date
☐ Inspection Fee Paid	date	amount	
☐ Building Permit Issue	date		
☐ Performance Guarantee Reduced	date	remaining balance	signature
☐ Temporary Certificate of Occupancy	date	☐ Conditions (See Attached)	expiration date
☐ Final Inspection	date	signature	
☐ Certificate Of Occupancy	date		
☐ Performance Guarantee Released	date	signature	
☐ Defect Guarantee Submitted	submitted date	amount	expiration date
☐ Defect Guarantee Released	date	signature	

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
NOV 22
RECEIVED

Accessibility Building Code Certificate

Designer: Chris Walsh & Company, ARCHITECTS

Address of Project: 300 Riverside St Portland ME 04103

Nature of Project: Lumber yard RETAIL & STORAGE/WAREHOUSE Components

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.

(SEAL) REGISTERED ARCHITECT ROBERT R. DION No. 5109 STATE OF MAINE

Signature: Robert R. Dion

Title: ARCHITECT

Firm: Chris Walsh & Company ARCHITECTS

Address: 9 Vernon St
Framingham MA 01701

Phone: 508-820-9707

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov

Certificate of Design

Date: 8.1.07

From: Chris Walsh & Company - ARCHITECTS

These plans and / or specifications covering construction work on:

Hammond Lumber Company - 300 RIVERSIDE ST
PORTLAND ME 04103

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

REGISTERED ARCHITECT
ROBERT R. DION
No. 5709
STATE OF MAINE

(SEAL)

Signature: Robert R. Dion

Title: ARCHITECT

Firm: CHRIS WALSH & Company,

Address: 9 VERNON STREET
FRAMINGHAM MA 01701

Phone: 508 820 9707

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov

Certificate of Design Application

From Designer: CHRIS WALSH & COMPANY, ARCHITECTS

Date: AUG 3, 2007

Job Name: Hammond Lumber company

Address of Construction: 300 RIVERSIDE DR. PORTLAND

2003 International Building Code

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

Building Code & Year IBC 2003 Use Group Classification (s) ~~#B~~ M1 - S1

Type of Construction IIB

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

Is the Structure mixed use? YES If yes, separated or non separated or non separated (section 302.3) NS

Supervisory alarm System? YES Geotechnical/Soils report required? (See Section 1802.2) YES

Structural Design Calculations

NA 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
RETAIL	100PSF

Wind loads (1603.1.4, 1609)

SIMP. WIND LOAD METHOD Design option utilized (1609.1.1, 1609.6)

90 MPH Basic wind speed (1809.3)

I/I Building category and wind importance Factor, I_w table 1604.5, 1609.5)

B Wind exposure category (1609.4)

+/- 0.18 Internal pressure coefficient (ASCE 7)

+5.4 PSF/-18.4 PSF Component and cladding pressures (1609.1.1, 1609.6.2.2)

* SEE BELOW Main force wind pressures (7603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

SIMPLIFED ANALYSIS Design option utilized (1614.1)

1 Seismic use group ("Category")

0.509/0.233 Spectral response coefficients, SDs & SD1 (1615.1)

E Site class (1615.1.5)

NA Live load reduction

42 PSF Roof *live* loads (1603.1.2, 1607.11)

42 PSF Roof snow loads (1603.7.3, 1608)

60 PSF Ground snow load, P_g (1608.2)

42 PSF If P_g > 10 psf, flat-roof snow load P_f

1.0 If P_g > 10 psf, snow exposure factor, C_e

1 If P_g > 10 psf, snow load importance factor, I_s

~~NA~~ 1.0 Roof thermal factor, C_t (1608.4)

NA Sloped roof snowload, P_s (1608.4)

D Seismic design category (1616.3)

ORDINARY STEEL CONCENTRICALLY BRACED Basic seismic force resisting system (1617.6.2)

R1 = 5/Cd = 2 Response modification coefficient, R_I and deflection amplification factor C_d (1617.6.2)

SIMPLIFIED ANALYSIS Analysis procedure (1616.6, 1617.5)

142001b Design base shear (1617.4, 16175.5.1)

Flood loads (1803.1.6, 1612)

NA Flood Hazard area (1612.3)

NA Elevation of structure

Other loads

10001b Concentrated loads (1607.4)

20 PSF Partition loads (1607.5)

NA Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404

HORIZONTAL PRESSURE ZONE A 12.8 PSF
ZONE B - 6.7 PSF
ZONE C + 8.5 PSF
ZONE D - 4.0 PSF

VERTICAL PRESSURE ZONE E -15.4 PSF
ZONE F -8.8 PSF
ZONE G 10.7 PSF
ZONE H -6.8 PSF

RETAIL

COMcheck Software Version 3.4.2
Envelope Compliance Certificate

2003 IECC

Report Date: 08/01/07

Data filename: P:\CW&C-Network\Jobs\20508ham\ComCheck\Retail.cck

Section 1: Project Information

Project Title: Hammond Lumber - Retail Building

Construction Site:
300 Riverside Street
Portland, ME 04103-1037

Owner/Agent:
Michael Hammond
Hammond Lumber
Belgrade, ME

Designer/Contractor:
Chris Walsh
Chris Walsh & Company Architects
9 Vernon Street
Framingham, MA 01701
508 820 9707
arcwalsh@rcn.com

Section 2: General Information

Building Location (for weather data):	**Portland, Maine**
Climate Zone:	**15**
Heating Degree Days (base 65 degrees F):	**7378**
Cooling Degree Days (base 65 degrees F):	**268**
Project Type:	**New Construction**
Vertical Glazing / Wall Area Pct.:	**8%**

Building Type	Floor Area
Retail Sales, Wholesale Showroom	16531

Section 3: Requirements Checklist

Envelope PASSES: Design 2% better than code.

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof 1: Metal Roof without Thermal Blocks	17209	0.0	20.0	0.048	0.053
Exterior Wall 1: Metal Frame, 16" o.c.	10393	19.0	0.0	0.114	0.075
Window 1: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.32	455	---	---	0.330	0.526
Door 1: Solid	100	---	---	0.370	0.122
Door 2: Overhead	202	---	---	0.100	0.122
Door 3: Glass, Clear, SHGC 0.32	330	---	---	0.330	0.526
Floor 1: Slab-On-Grade:Heated, Horizontal 4 ft.	16531	---	10.0	---	---

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

- ☐ 1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
- ☐ 2. Windows, doors, and skylights certified as meeting leakage requirements.
- ☐ 3. Component R-values & U-factors labeled as certified.
- ☐ 4. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.

- ☐ 5. Stair, elevator shaft vents, and other dampers integral to the building envelope are equipped with motorized dampers.
- ☐ 6. Cargo doors and loading dock doors are weather sealed.
- ☐ 7. Recessed lighting fixtures are: (i) Type IC rated and sealed or gasketed; or (ii) installed inside an appropriate air-tight assembly with a 0.5 inch clearance from combustible materials and with 3 inches clearance from insulation material.
- ☐ 8. Building entrance doors have a vestibule and equipped with closing devices.
  Exceptions:

  Building entrances with revolving doors.

  Doors that open directly from a space less than 3000 sq. ft. in area.
- ☐ 9. Vapor retarder installed.

Section 4: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2003 IECC requirements in COM*check* Version 3.4.2 and to comply with the mandatory requirements in the Requirements Checklist.

Chris Walsh — Name - Title

Signature

3.8.07 — Date

COMcheck Software Version 3.4.2
Lighting Compliance Certificate

2003 IECC

Report Date: 08/01/07

Data filename: P:\CW&C-Network\Jobs\20508ham\ComCheck\Retail.cck

Section 1: Project Information

Project Title: Hammond Lumber - Retail Building

Construction Site:
300 Riverside Street
Portland, ME 04103-1037

Owner/Agent:
Michael Hammond
Hammond Lumber
Belgrade, ME

Designer/Contractor:
Chris Walsh
Chris Walsh & Company Architects
9 Vernon Street
Framingham, MA 01701
508 820 9707
arcwalsh@rcn.com

Section 2: General Information

Building Use Description by:
Project Type: **New Construction**

Building Type	Floor Area
Retail Sales, Wholesale Showroom	16531

Section 3: Requirements Checklist

Interior Lighting:

☐ 1. Total actual watts must be less than or equal to total allowed watts.

Allowed Watts	Actual Watts	Complies
24796	4563	YES

☐ 2. Exit signs 5 Watts or less per side.

Exterior Lighting:

☐ 3. Efficacy greater than 45 lumens/W.
Exceptions:

Specialized lighting highlighting features of historic buildings; signage; safety or security lighting; low-voltage landscape lighting.

Controls, Switching, and Wiring:

☐ 4. Independent controls for each space (switch/occupancy sensor).
Exceptions:

Areas designated as security or emergency areas that must be continuously illuminated.

Lighting in stairways or corridors that are elements of the means of egress.

☐ 5. Master switch at entry to hotel/motel guest room.

☐ 6. Individual dwelling units separately metered.

☐ 7. Each space provided with a manual control to provide uniform light reduction by at least 50%.
Exceptions:

Only one luminaire in space;

An occupant-sensing device controls the area;

The area is a corridor, storeroom, restroom, public lobby or guest room;

Areas that use less than 0.6 Watts/sq.ft.

❑ 8. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.
Exceptions:

Areas with only one luminaire, corridors, storerooms, restrooms, or public lobbies.

❑ 9. Photocell/astronomical time switch on exterior lights.
Exceptions:

Lighting intended for 24 hour use.

❑ 10. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).
Exceptions:

Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Section 4: Compliance Statement

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2003 IECC, Chapter 8, requirements in COM*check* Version 3.4.2 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title	Signature	Date

COM*check* Software Version 3.4.2
Lighting Application Worksheet

2003 IECC

Report Date:

Data filename: P:\CW&C-Network\Jobs\20508ham\ComCheck\Retail.cck

Section 1: Allowed Lighting Power Calculation

A	B Floor Area	C Allowed Watts / ft2	D Allowed Watts
Retail Sales, Wholesale Showroom	16531	1.5	24796
		Total Allowed Watts =	24796

Section 2: Actual Lighting Power Calculation

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Retail Sales, Wholesale Showroom (16531 sq.ft.)				
Compact Fluorescent 1: Triple 4-pin 18W / Electronic	3	159	18	2862
Compact Fluorescent 2: Twin Tube 24/26/27W / Electronic	2	7	32	224
Linear Fluorescent 1: Other / Electronic	4	2	32	64
Incandescent 1: Incandescent 75W	1	15	75	1125
Compact Fluorescent 3: Quad 2-pin 18W / Electronic	4	4	54	216
Compact Fluorescent 4: Twin Tube 18W / Electronic	2	4	18	72
			Total Actual Watts =	4563

Section 3: Compliance Calculation

If the Total Allowed Watts minus the Total Actual Watts is greater than or equal to zero, the building complies.

Total Allowed Watts =	24796
Total Actual Watts =	4563
Project Compliance =	20234

Lighting PASSES: Design 82% better than code.

COM*check* Software Version 3.4.2
Mechanical Compliance Certificate

2003 IECC

Report Date: 08/01/07

Data filename: P:\CW&C-Network\Jobs\20508ham\ComCheck\Retail.cck

Section 1: Project Information

Project Title: Hammond Lumber - Retail Building

Construction Site:
300 Riverside Street
Portland, ME 04103-1037

Owner/Agent:
Michael Hammond
Hammond Lumber
Belgrade, ME

Designer/Contractor:
Chris Walsh
Chris Walsh & Company Architects
9 Vernon Street
Framingham, MA 01701
508 820 9707
arcwalsh@rcn.com

Section 2: General Information

Building Location (for weather data):	**Portland, Maine**
Climate Zone:	**15**
Heating Degree Days (base 65 degrees F):	**7378**
Cooling Degree Days (base 65 degrees F):	**268**
Project Type:	**New Construction**

Section 3: Mechanical Systems List

Quantity	System Type & Description
1	HVAC System 1: Heating: Duct Furnace, Electric / Cooling: Rooftop Package Unit, Capacity >=240 - <760 kBtu/h, Air-Cooled Condenser / Single Zone

Section 4: Requirements Checklist

Requirements Specific To: HVAC System 1 :

- ☐ 1. Equipment minimum efficiency: Rooftop Package Unit: 9.5 EER, 9.7 IPLV
- ☐ 2. Integrated air economizer required

Generic Requirements: Must be met by all systems to which the requirement is applicable:

- ☐ 1. Load calculations per 2001 ASHRAE Fundamentals
- ☐ 2. Plant equipment and system capacity no greater than needed to meet loads
  - Exception: Standby equipment automatically off when primary system is operating
  - Exception: Multiple units controlled to sequence operation as a function of load
- ☐ 3. Minimum one temperature control device per system
- ☐ 4. Minimum one humidity control device per installed humidification/dehumidification system
- ☐ 5. Thermostatic controls has 5 degrees F deadband
  - Exception: Thermostats requiring manual changeover between heating and cooling
- ☐ 6. Automatic Controls: Setback to 55 degrees F (heat) and 85 degrees F (cool); 7-day clock, 2-hour occupant override, 10-hour backup
  - Exception: Continuously operating zones
  - Exception: 2 kW demand or less, submit calculations
- ☐ 7. Automatic shut-off dampers on exhaust systems and supply systems with airflow >3,000 cfm

- ❑ 8. Outside-air source for ventilation; system capable of reducing OSA to required minimum
- ❑ 9. R-5 supply and return air duct insulation in unconditioned spaces R-8 supply and return air duct insulation outside the building R-8 insulation between ducts and the building exterior when ducts are part of a building assembly
  - Exception: Ducts located within equipment
  - Exception: Ducts with interior and exterior temperature difference not exceeding 15 degrees F.
- ❑ 10. Ducts sealed - longitudinal seams on rigid ducts; transverse seams on all ducts; UL 181A or 181B tapes and mastics
  - Exception: Continuously welded and locking-type longitudinal joints and seams on ducts operating at static pressures less than 2 inches w.g. pressure classification
- ❑ 11. Mechanical fasteners and sealants used to connect ducts and air distribution equipment
- ❑ 12. Operation and maintenance manual provided to building owner
- ❑ 13. Balancing devices provided in accordance with IMC 603.15
- ❑ 14. Stair and elevator shaft vents are equipped with motorized dampers

Section 5: Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2003 IECC requirements in COM*check* Version 3.4.2 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title	Signature	Date

COM*check* Software Version 3.4.2
Mechanical Requirements Description

2003 IECC

Report Date:

Data filename: P:\CW&C-Network\Jobs\20508ham\ComCheck\Retail.cck

The following list provides more detailed descriptions of the requirements in Section 4 of the Mechanical Compliance Certificate.

Requirements Specific To: HVAC System 1 :

1. The specified heating and/or cooling equipment is covered by ASHRAE 90.1 Code and must meet the following minimum efficiency: Rooftop Package Unit: 9.5 EER, 9.7 IPLV
2. An integrated air economizer is required for individual cooling systems over 65 kBtu/h in the selected climate. An integrated economizer allows simultaneous operation of outdoor-air and mechanical cooling.

Generic Requirements: Must be met by all systems to which the requirement is applicable:

1. Design heating and cooling loads for the building must be determined using procedures in the ASHRAE Handbook of Fundamentals or an approved equivalent calculation procedure.
2. All equipment and systems must be sized to be no greater than needed to meet calculated loads. A single piece of equipment providing both heating and cooling must satisfy this provision for one function with the capacity for the other function as small as possible, within available equipment options.
   - Exception: The equipment and/or system capacity may be greater than calculated loads for standby purposes. Standby equipment must be automatically controlled to be off when the primary equipment and/or system is operating.
   - Exception: Multiple units of the same equipment type whose combined capacities exceed the calculated load are allowed if they are provided with controls to sequence operation of the units as the load increases or decreases.
3. Each heating or cooling system serving a single zone must have its own temperature control device.
4. Each humidification system must have its own humidity control device.
5. Thermostats controlling both heating and cooling must be capable of maintaining a 5 degrees F deadband (a range of temperature where no heating or cooling is provided).
   - Exception: Deadband capability is not required if the thermostat does not have automatic changeover capability between heating and cooling.
6. The system or zone control must be a programmable thermostat or other automatic control meeting the following criteria:a) capable of setting back temperature to 55 degrees F during heating and setting up to 85 degrees F during coolingb) capable of automatically setting back or shutting down systems during unoccupied hours using 7 different day schedulesc) have an accessible 2-hour occupant overrided) have a battery back-up capable of maintaining programmed settings for at least 10 hours without power.
   - Exception: A setback or shutoff control is not required on thermostats that control systems serving areas that operate continuously.
   - Exception: A setback or shutoff control is not required on systems with total energy demand of 2 kW (6,826 Btu/h) or less.
7. Outdoor-air supply systems with design airflow rates >3,000 cfm of outdoor air and all exhaust systems must have dampers that are automatically closed while the equipment is not operating.
8. The system must supply outside ventilation air as required by Chapter 4 of the International Mechanical Code. If the ventilation system is designed to supply outdoor-air quantities exceeding minimum required levels, the system must be capable of reducing outdoor-air flow to the minimum required levels.
9. Air ducts must be insulated to the following levels:a) Supply and return air ducts for conditioned air located in unconditioned spaces (spaces neither heated nor cooled) must be insulated with a minimum of R-5. Unconditioned spaces include attics, crawl spaces, unheated basements, and unheated garages.b) Supply and return air ducts and plenums must be insulated to a minimum of R-8 when located outside the building.c) When ducts are located within exterior components (e.g., floors or roofs), minimum R-8 insulation is required only between the duct and the building exterior.
   - Exception: Duct insulation is not required on ducts located within equipment.
   - Exception: Duct insulation is not required when the design temperature difference between the interior and exterior of the duct or plenum does not exceed 15 degrees F.
10. All joints, longitudinal and transverse seams, and connections in ductwork must be securely sealed using weldments; mechanical fasteners with seals, gaskets, or mastics; mesh and mastic sealing systems; or tapes. Tapes and mastics must be listed and labeled in accordance with UL 181A or UL 181B.

- Exception: Continuously welded and locking-type longitudinal joints and seams on ducts operating at static pressures less than 2 inches w.g. pressure classification.

11. Mechanical fasteners and seals, mastics, or gaskets must be used when connecting ducts to fans and other air distribution equipment, including multiple-zone terminal units.
12. Operation and maintenance documentation must be provided to the owner that includes at least the following information:a) equipment capacity (input and output) and required maintenance actionsb) equipment operation and maintenance manualsc) HVAC system control maintenance and calibration information, including wiring diagrams, schematics, and control sequence descriptions; desired or field-determined set points must be permanently recorded on control drawings, at control devices, or, for digital control systems, in programming commentsd) complete narrative of how each system is intended to operate.
13. Each supply air outlet or diffuser and each zone terminal device (such as VAV or mixing box) must have its own balancing device. Acceptable balancing devices include adjustable dampers located within the ductwork, terminal devices, and supply air diffusers.
14. Stair and elevator shaft vents must be equipped with motorized dampers capable of being automatically closed during normal building operation and interlocked to open as required by fire and smoke detection systems. All gravity outdoor air supply and exhaust hoods, vents, and ventilators must be equipped with motorized dampers that will automatically shut when the spaces served are not in use. Exceptions: - Gravity (non-motorized) dampers are acceptable in buildings less than three stories in height above grade. - Ventilation systems serving unconditioned spaces.

DRIVE-Through

COMcheck Software Version 3.4.2
Envelope Compliance Certificate

2003 IECC

Report Date: 07/27/07

Data filename: Untitled.cck

Section 1: Project Information

Project Title: Hammond Lumber - Drive Through Building

Construction Site:
300 Riverside Street
Portland, ME 04103-1037

Owner/Agent:
Michael Hammond
Hammond Lumber
Belgrade , ME

Designer/Contractor:
Chris Walsh
Chris Walsh & Company Architects
9 Vernon Street
Framingham, ME 01701
508 820 9707
arcwalsh@rcn.com

Section 2: General Information

Building Location (for weather data):	**Portland, Maine**
Climate Zone:	**15**
Heating Degree Days (base 65 degrees F):	**7378**
Cooling Degree Days (base 65 degrees F):	**268**
Project Type:	**New Construction**
Vertical Glazing / Wall Area Pct.:	**0%**

Building Type	Floor Area
Storage, Industrial and Commercial	44458

Section 3: Requirements Checklist

Envelope PASSES: Design 15% better than code.

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof 1: Metal Roof without Thermal Blocks	35000	0.0	19.0	0.051	0.053
Exterior Wall 1: Metal Wall without Thermal Blocks	12873	13.0	0.0	0.123	0.075
Door 1: Overhead	1225	---	---	0.010	0.122
Door 2: Solid	120	---	---	0.450	0.122
Interior Wall 1: Metal Frame, 16" o.c.	720	19.0	0.0	0.110	0.122
Floor 1: Slab-On-Grade:Unheated, Vertical 3 ft.	850	---	10.0	---	---

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

- ❑ 1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
- ❑ 2. Windows, doors, and skylights certified as meeting leakage requirements.
- ❑ 3. Component R-values & U-factors labeled as certified.
- ❑ 4. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.
- ❑ 5. Stair, elevator shaft vents, and other dampers integral to the building envelope are equipped with motorized dampers.
- ❑ 6. Cargo doors and loading dock doors are weather sealed.

7. Recessed lighting fixtures are: (i) Type IC rated and sealed or gasketed; or (ii) installed inside an appropriate air-tight assembly with a 0.5 inch clearance from combustible materials and with 3 inches clearance from insulation material.

8. Building entrance doors have a vestibule and equipped with closing devices.
Exceptions:

Building entrances with revolving doors.

Doors that open directly from a space less than 3000 sq. ft. in area.

9. Vapor retarder installed.

Section 4: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2003 IECC requirements in COM*check* Version 3.4.2 and to comply with the mandatory requirements in the Requirements Checklist.

CHRIS WALSH — Name - Title

Signature

8.1.07 — Date

COM*check* Software Version 3.4.2
Lighting Compliance Certificate

2003 IECC

Report Date: 07/27/07

Data filename: Untitled.cck

Section 1: Project Information

Project Title: Hammond Lumber - Drive Through Building

Construction Site:
300 Riverside Street
Portland, ME 04103-1037

Owner/Agent:
Michael Hammond
Hammond Lumber
Belgrade , ME

Designer/Contractor:
Chris Walsh
Chris Walsh & Company Architects
9 Vernon Street
Framingham, ME 01701
508 820 9707
arcwalsh@rcn.com

Section 2: General Information

Building Use Description by:
Project Type: **New Construction**

Building Type	Floor Area
Storage, Industrial and Commercial	44458

Section 3: Requirements Checklist

Interior Lighting:

❑ 1. Total actual watts must be less than or equal to total allowed watts.

Allowed Watts	Actual Watts	Complies
35566	34250	YES

❑ 2. Exit signs 5 Watts or less per side.

Exterior Lighting:

❑ 3. Efficacy greater than 45 lumens/W.
Exceptions:

Specialized lighting highlighting features of historic buildings; signage; safety or security lighting; low-voltage landscape lighting.

Controls, Switching, and Wiring:

❑ 4. Independent controls for each space (switch/occupancy sensor).
Exceptions:

Areas designated as security or emergency areas that must be continuously illuminated.

Lighting in stairways or corridors that are elements of the means of egress.

❑ 5. Master switch at entry to hotel/motel guest room.

❑ 6. Individual dwelling units separately metered.

❑ 7. Each space provided with a manual control to provide uniform light reduction by at least 50%.
Exceptions:

Only one luminaire in space;

An occupant-sensing device controls the area;

The area is a corridor, storeroom, restroom, public lobby or guest room;

Areas that use less than 0.6 Watts/sq.ft.

❑ 8. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.
Exceptions:

Areas with only one luminaire, corridors, storerooms, restrooms, or public lobbies.

❑ 9. Photocell/astronomical time switch on exterior lights.
Exceptions:

Lighting intended for 24 hour use.

❑ 10. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).
Exceptions:

Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Section 4: Compliance Statement

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2003 IECC, Chapter 8, requirements in COM*check* Version 3.4.2 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title	Signature	Date

COM*check* Software Version 3.4.2
Lighting Application Worksheet

2003 IECC

Report Date:

Data filename: Untitled.cck

Section 1: Allowed Lighting Power Calculation

A	B Floor Area	C Allowed Watts / ft2	D Allowed Watts
Storage, Industrial and Commercial	44458	0.8	35566
		Total Allowed Watts =	35566

Section 2: Actual Lighting Power Calculation

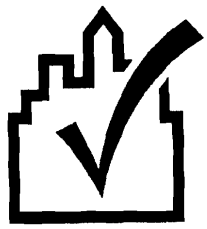
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Storage, Industrial and Commercial (44458 sq.ft.)				
HID 1: Metal Halide 400W / Electronic	1	75	400	30000
HID 3: Metal Halide 175W / Electronic	1	10	175	1750
HID 4: Metal Halide 250W / Electronic	1	10	250	2500
			Total Actual Watts =	34250

Section 3: Compliance Calculation

If the Total Allowed Watts minus the Total Actual Watts is greater than or equal to zero, the building complies.

Total Allowed Watts =	35566
Total Actual Watts =	34250
Project Compliance =	1316

Lighting PASSES: Design 4% better than code.



COM*check* Software Version 3.4.2

Mechanical Compliance Certificate

2003 IECC

Report Date: 07/27/07

Data filename: Untitled.cck

Section 1: Project Information

Project Title: Hammond Lumber - Drive Through Building

Construction Site:
300 Riverside Street
Portland, ME 04103-1037

Owner/Agent:
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Hammond Lumber
Belgrade , ME

Designer/Contractor:
Chris Walsh
Chris Walsh & Company Architects
9 Vernon Street
Framingham, ME 01701
508 820 9707
arcwalsh@rcn.com

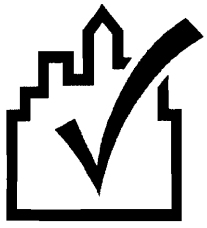
Section 2: General Information

Building Location (for weather data):	**Portland, Maine**
Climate Zone:	**15**
Heating Degree Days (base 65 degrees F):	**7378**
Cooling Degree Days (base 65 degrees F):	**268**
Project Type:	**New Construction**

Section 3: Mechanical Systems List

Quantity	System Type & Description

Section 4: Requirements Checklist



COM*check* Software Version 3.4.2

Mechanical Requirements Description

2003 IECC

Report Date:

Data filename: Untitled.cck

CHRIS WALSH & COMPANY

9 Vernon Street
Framingham, MA 01701
fax: 508 820 9708
phone: 508 820 9707
email: arcwalsh@rcn.com

316 A1
- Hammond Lumber

To Lawnie Dodson
for Mike Nugent
fax 207 874-8716
Job Hammond Lumber
Date 8.16.07
From Chris Walsh

TRANSMITAL

remarks

Lawnie / Mike

Here is the STATEMENT of Special INSpections for the Hammond Lumber permit - Hard copy being sent. We would like to expedite the foundations of the Retail building As much as we can. Please let me know if you can fast track that Item - thanks

Chris Walsh

DEPT. OF [illegible] INSPECTION
CITY OF PORTLAND, ME
AUG 17 2007
RECEIVED

City of Portland, Maine - Building or Use Permit

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

Permit No:	Date Applied For:	CBL:
07-0993	08/15/2007	316 A001001

Location of Construction:	Owner Name:	Owner Address:	Phone:
300 RIVERSIDE ST	MJH - PORT LLC	PO BOX 500	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Sheridan Corporation	PO Box 359 Fairfield	(207) 453-9311
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Foundation Only/Commercial	

Proposed Use:	Proposed Project Description:
FOUNDATION ONLY Connected w/ permit # 070938 for new Hammond Lumber Co w/ 15,480 sq ft of retail space & 44,431 sq ft warehouse	FOUNDATION ONLY - for new Hammond Lumber

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 08/15/2007

Note: **Ok to Issue:** ☑

1) Separate permits shall be required for any new signage.
2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
3) this permit is for foundation(s) ONLY. Separate permits shall be required for the rest of the structure prior to the commencement of that work.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:**

Note: **Ok to Issue:** ☐

1) 1) Prior to commencement of construction, the Geothechnical engineer must confirm that the foundation design is in compliance with the geotechnical report.
2) 2) Prior to commencement of construction, The Geotechnical engineer must confirmn that the preload results are as anticipated and that any building settlement is within acceptable ranges.
3) 3) Prior to commencement of construction,The HHE 200 form must be reviewed and found to be in compliance with the State of Maine Subsurface Waste Disposal rules.

Dept: Fire **Status:** Approved **Reviewer:** Capt Greg Cass **Approval Date:** 08/16/2007

Note: **Ok to Issue:** ☑

Comments:

8/15/2007-ldobson: Fees paid on permit #070938

8/15/2007-mes: planning released the site plan for Foundation ONLY - I had Lannie make out a permit for such

Location of Construction:	Owner Name:	Owner Address:	Phone:
300 RIVERSIDE ST	MJH - PORT LLC	PO BOX 500	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Sheridan Corporation	PO Box 359 Fairfield	(207) 453-9311
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Foundation Only/Commercial	

9/6/2007-ldobson: I am prepared to sign of for the foundation only with the following conditions:

1) Prior to commencement of construction, the Geothechnical engineer must confirm that the foundation design is in compliance with the geotechnical report.

2) Prior to commencement of construction, The Geotechnical engineer must confirmn that the preload results are as anticipated and that any building settlement is within acceptable ranges.

3) Prior to commencement of construction,The HHE 200 form must be reviewed and found to be in compliance with the State of Maine Subsurface Waste Disposal rules.

Lannie, Please put these conditions in the system.

Thanks,

Mike Nugent
Consulting Plans Examiner

>>> Chris Walsh <arcwalsh@rcn.com> 09/05/07 7:06 AM >>>
Mike,
This is Chris Walsh, I am the design professional in charge- I had sent
you my contact information if you had any questions. You can call me @
508 820 9707
The full retail building was in the first package Mike Hammond and I
submitted to the building department -the only outstanding drawings were
coming from National Store Fixtures .
Please give me a call as I believe you have the whole set.
Chris Walsh

MIke Nugent wrote:
> I would like to issue this, but still do not have complete foundation
> plans for each building! All that was submitted was sheets F1 and F2,
> for the Warehouse building.
>
> Can you tell me who the design professional in charge of this projects
> is? Are they just seeking the warehouse building at this point. If so
> upon satisfactory preloading report, an HHE 200 report and if the
> Geotechnical engineer reviewed this Foundation System, we can go with
> the Warehouse Only, foundation only?
>
>
>>>> MIke Nugent 08/21/07 11:36 PM >>>
>>>>
> Lannie, Please get this info to Mike Hammond, the foundation only permit
> cannot be issued until this is resolved, They have changed their
> foundation design entirely.
>
> This plan does not agree with the geotechnical report (see page 10) The
> proposed foundation must be reviewed by the Geotechnical Engineer and
> they will need to sign off on the design and provide an amendment to

Location of Construction:	Owner Name:	Owner Address:	Phone:
300 RIVERSIDE ST	MJH - PORT LLC	PO BOX 500	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Sheridan Corporation	PO Box 359 Fairfield	(207) 453-9311
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Foundation Only/Commercial	

> their geotechnical report. Also please providing supporting
> documentation establishing compliance with Section 1805 of the 2003 IBC.
>
> The entire plan set I have with the permit is not stamped. So please
> make sure the plans are stamped.
>
> Was the area of the site where the Storage building will be preloaded as
> recommended by the geotechnical engineer (see page 8) ? Please provide
> confirmation information from the special inspector.
>
>
>>>> Chris Walsh <arcwalsh@rcn.com> 08/21/07 11:40 AM >>>
>>>>
> Mike -
> we have some revisions to the drivethrough Building foundation- It is
> going to be a shallow insulated slab as is the retail building.
> National Store Fixtures- the metal building company is making some
> minor adjustments to the slab around the truck dock for us today and
> will have the updated drawing in the morning. I have attached a PDF of
> the current foundation/slab drawings and will send you the adjusted ones
>
> in the morning- I also have made a disk of the project with this change
> and am sending it to Lannie Dobson for you. If you have any questions
> please give me a call- 508 820 9707
> Thanks
> Chris Walsh
>
>