Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

Please Read Application And Notes, If Any, Attached

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME

Permit Number: 061316

AUG 23 2006

RECEIVED

This is to certify that CITY OF PORTLAND /Led wood Inc.

has permission to Renovations to the Marine H ital

AT 309 VERANDA ST C L 434 C005001

provided that the person or persons rm or tion a epting this permit shall comply with al of the provisions of the Statutes of ine and of the O ances of the City of Portland regulating the construction, maintenance and u e of buildings and uctures, and of the application on file ir this department.

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

N ification f inspe n mus e g n and w en perm on proc d b re this lding or t there s l ed or rwis osed-in 4 H UR NOT EQUIRED.

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

8/23/06
Director - Building & Inspection Services

PENALTY FOR REMOVINGTHIS 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:
06-1116		434 C005301

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
AUG 23 2006
RECEIVED

Location of Construction:	Owner Name:	Owner Address:	Phone:
309 VERANDA ST	CITY OF PORTLAND	389 CONGRESS ST	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Ledgewood Inc.	PO Box 8107 Portland	2077671866
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		Alterations - Commercial	

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
School Department Admin Offices	Phase 1 Martins Point Health Offices		$0.00	4

FIRE DEPT: ☐ Approved ☐ Denied — Signature:

INSPECTION: Use Group: B Type: 3B — Signature: 8/23/06

Proposed Project Description:
Renovations to the Marine Hospital

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
mjn	07/28/2006

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six **(6)** months of the date of issuance. False information may invalidate a building permit and stop all work..

Zoning Approval

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

FROM DESIGNER: BELKER STRUCTURAL ENGINEERS

DATE: 5/2/06

Job Name: MARINE HOSPITAL RENOVATION

Address of Construction: MARTIN'S POINT, PORTLAND, ME

2003 International Building Code

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

Building Code and Year: IBC - 2003 Use Group Classification(s): _____

Type of Construction: _____

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

Is the Structure mixed use?_____ if yes, separated or non separated (see Section 302.3)_____

Supervisory alarm system?_____ Geotechnical/Soils report required?(See Section 1802.2)_____

STRUCTURAL DESIGN CALCULATIONS

N/A — Submitted for all structural members *(106.1, 106.1.1)*

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)

Uniformly distributed floor live loads *(1603.1.1, 1607)*

Floor Area Use	Loads Shown
OFFICES	50 PSF + 20 PSF
PRIVATE ROOMS	40 PSF
PRIVATE ROOM CORRIDORS	40 PSF
STAIRS + LOBBIES	100 PSF
1ST FLOOR CORRIDORS	100 PSF

Wind loads *(1603.1.4, 1609)*

- METHOD 1 — Design option utilized *(1609.1.1, 1609.6)*
- 100 MPH — Basic wind speed *(1609.3)*
- 1.0 — Building category and wind importance factor, I_w *(Table 1604.5, 1609.5)*
- C — Wind exposure category *(1609.4)*
- ±0.18 — Internal pressure coefficient *(ASCE 7)*
- 28.6 — Component and cladding pressures *(1609.1.1, 1609.6.2.2)*
- 16.1 — Main force wind pressures *(1609.1.1, 1609.6.2.1)*

* SEISMIC UPGRADE NOT REQUIRED.

Earthquake design data *(1603.1.5, 1614 - 1623)*

- N/A — Design option utilized *(1614.1)*
- N/A — Seismic use group ("Category") *(Table 1604.5, 1616.2)*
- N/A — Spectral response coefficients, S_{DS} & S_{D1} *(1615.1)*
- N/A — Site class *(1615.1.5)*

- N/A — Live load reduction *(1603.1.1, 1607.9, 1607.10)*
- N/A — Roof live loads *(1603.1.2, 1607.11)*

Roof snow loads *(1603.1.3, 1608)*

- 60 PSF — Ground snow load, P_g *(1608.2)*
- 46 PSF — If P_g > 10 psf, flat-roof snow load, P_f *(1608.3)*
- 1.0 — If P_g > 10 psf, snow exposure factor, C_e *(Table 1608.3.1)*
- 1.0 — If P_g > 10 psf, snow load importance factor, I_s *(Table 1604.5)*
- 1.1 — Roof thermal factor, C_t *(Table 1608.3.2)*
- N/A — Sloped roof snowload, P_s *(1608.4)*

- N/A — Seismic design category *(1616.3)*
- N/A — Basic seismic-force-resisting system *(Table 1617.6.2)*
- N/A — Response modification coefficient, R, and deflection amplification factor, C_d *(Table 1617.6.2)*
- N/A — Analysis procedure *(1616.6, 1617.5)*
- N/A — Design base shear *(1617.4, 1617.5.1)*

Flood loads *(1603.1.6, 1612)*

- N/A — Flood hazard area *(1612.3)*
- N/A — Elevation of structure

Other loads

- 2000 # — Concentrated loads *(1607.4)*
- 20 PSF — Partition loads *(1607.5)*
- N/A — Impact loads *(1607.8)*
- N/A — Misc. loads *(Table 1607.6, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)*

SUMMIT
ENVIRONMENTAL CONSULTANTS, INC.

PN: 6346

July 31, 2006

Mr. Paul Ureneck
CBRE Boulos Property Management
One Canal Plaza
Portland, Maine 04101.

Re: Completion of Asbestos Abatement, Martin's Point Complex

Dear Paul:

I am writing to update you on the status of the asbestos abatement work specified for completion at the Martins Point Complex, specifically, in the "Old Administration" building. Portland Diversified Services (PDS) notified Summit Environmental Consultants, Inc. (Summit) that the asbestos abatement work on the interior of this building was completed on July 20, 2006. To complete this work, PDS divided the work in to five specific work areas including:

- Area #1 - 2nd Floor Rooms 222-223
- Area #2 – 2nd Floor Rooms 216
- Area #3 – 2nd Floor Rooms 211 and 213
- Area #4 – 1st Floor Rooms 103 – 106, 108, and 110
- Area #5 – Basement

Upon completion of the specified abatement in each area, the area was visually inspected for completeness of work and air clearance samples were run. The inspection and clearance sampling in each area was performed by an independent asbestos consultant, Icon Environmental Consultants (ICON) of Augusta, Maine. Each area was determined to meet the release (clearance) criteria established by the Maine Department of Environmental Protection (MEDEP) Chapter 425 Asbestos Management Regulations. Copies of ICON's "Final Cleaning Check List" (for visual inspection) and "Air Sample Analysis Report", for each area, are attached. Please maintain copies of these reports in your project file.

If you should have any questions regarding this letter or if additional services are required, please contact me at (207) 262-9040.

Sincerely:
SUMMIT ENVIRONMENTAL CONSULTANTS, INC.

Dennis B. Kingman, Jr.; CHMM
Manager, Environmental Services

Attachment

640 MAIN STREET ▲ LEWISTON, MAINE 04240 ▲ TEL: (207) 795-6009 ▲ FAX: (207) 795-6128
8 HARLOW STREET, SUITE 4A ▲ BANGOR, MAINE 04401 ▲ TEL: (207) 262-9040 ▲ FAX: (207) 262-9080
P O BOX 4698 ▲ AUGUSTA, MAINE 04330 ▲ TEL: (207) 621-8334 ▲ FAX: (207) 626-9094

LEDGEWOOD CONSTRUCTION

Ledgewood Construction
P. O. Box 8107
Portland, ME 04104
Ph: (207)767-1866
Fax: (207)767-1869

Letter of Transmittal

To: Mike Nugent
City of Portland
City Hall Room 103
389 Congress Street
Portland, ME 04101
Ph: (207)874-8700 Fax: (207)874-8716

Transmittal #: 37
Date: 8/14/2006
Job: 05520 Martin's Point Phase One

Subject: Statement of Special Inspections Report

WE ARE SENDING YOU

- ☑ Attached
- ☐ Under separate cover via None the following items:
- ☐ Shop drawings
- ☐ Prints
- ☐ Plans
- ☐ Samples
- ☐ Copy of letter
- ☐ Change order
- ☐ Specifications
- ☐ Other

Document Type	Copies	Date	No.	Description
Other	2	8/7/06	Becker Engineers	Statement of Special Inspections Report

THESE ARE TRANSMITTED as checked below:

- ☐ For approval
- ☐ Approved as submitted
- ☐ Resubmit___ copies for approval
- ☑ Foryouruse
- ☐ Approved as noted
- ☐ Submit___ copies for distribution
- ☐ As requested
- ☐ Returned for corrections
- ☐ Return___ corrected prints
- ☐ For review and comment
- ☐ Other
- ☐ FOR BIDS DUE
- ☐ PRINTS RETURNED AFTER LOAN TO US

Remarks:

Copy To: Scott Cristina (Ledgewood Const), Steve Claffie (Ledgewood Const)

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
AUG 15 2006
RECEIVED

From: Tisha Land (Ledgewood Const)

Signature: _____

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

B E C K E R
structural engineers, inc.

Statement of Special Inspections

Martin's Point Phase One-Marine Hospital Renovations
Portland, ME
August 07,2006

Statement Prepared by
Structural Engineer of Record
Becker Structural Engineers, Inc.
75 **York** Street
Portland, ME 04101
207. 879. 1838

Owner
Martin's Point Health Care
331 Veranda Street
Portland, ME 04103
207. 774. 5801

Architect of Record
PDT Architects
49 Dartmouth Street
Portland, ME 04101
207.775. 1059

Contractor
Ledgewood Construction
PO Box 8107
Portland, ME 04104
207.767. 1866

[illegible] ■ Tel 207.879.1838 ■ Fax 207.879.1821

Special Inspections – Exhibit A

Statement of Special Inspections
List of Agents
Final Report of Special Inspections
Special Inspector/Agent Report

Statement of Special Inspections - Exhibit A

Project: *Martin's Point Marine Hospital – Phase One Marine Hospital Renovations*

Location: *Portland Maine,*

Owner: *Martin's Point Health Care, Portland, Maine*

This Statement *of* Special Inspections encompass the following discipline:

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

Design Professional in Responsible Charge: *Paul B. Becker, P.E.*

Firm Name: *Becker Structural Engineers, Portland, ME*

(Note: Statement *of* Special Inspections for other disciplines may be included under a separate cover)

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 Structural Special Inspection Coordinator (SSIC) and the identity of other approved agencies to be retained for conducting these inspections and tests.

The Structural Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Code Official (BCO) and the Structural Registered Design Professional in Responsible Charge (SRDP). 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 Structural 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 Structural Registered Design Professional in Responsible Charge at an interval determined by the SSIC and the BCO.

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 to the BCO 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.

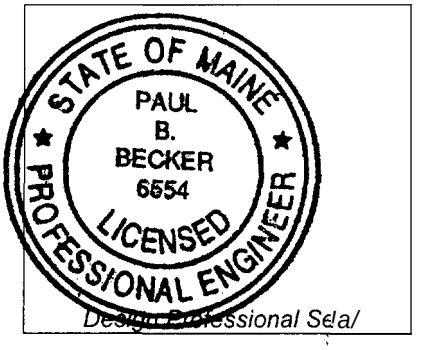
Interim Report Frequency: ☒ *Upon request of Building Official* _____ or ☐ per attached schedule.

Prepared by:

Paul B. **Becker,** P.E.
(type or print name of the Structural Registered Design Professional in Responsible Charge)

Signature

August 7, 2006
Date



Design Professional Seal

Owner's Authorization:

Signature Date

Building Code Official's Acceptance:

Signature Date

Statement of Special Inspections (Continued) - Exhibit A

List of Agents

Project: *Martin's Point Marine Hospital – Phase One Marine Hospital Renovations*

Location: *Portland Maine,*

Owner: *Martin's Point Health Care, Portland, Maine*

This *Statement* of *Special Inspections* encompass the following discipline:

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

(Note: *Statement* of *Special Inspections* for other disciplines may be included under a separate cover)

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

[XI Soils and Foundations
[XI Cast-in-Place Concrete
☐ Precast Concrete
[XI Masonry
[XI Structural Steel
[XI Wood Construction

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Structural Special Inspection Coordinator (SSIC)	*Becker Structural Engineers (BSE)*	*75 York Street* *Portland, ME 04107* *(207) 879-1838* *info@beckerstructural.com*
2. Special Inspector (SI 1)	*Becker Structural Engineers (BSE)*	*75 York Street* *Portland, ME 04107* *(207) 879-1838* *info@beckerstructural.com*
3. Special Inspector (SI 2)		
4. Testing Agency (TA 1)	*S. W. Cole Engineering (SWC)*	*286 Portland Road* *Gray, ME 04039-9586* *Ph (207) 657-2866* *pkohler@swcole.com*
5. Testing Agency (TA 2)		
6. Other (O1)		

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.

Final Report of Special Inspections (SSICISI 1)

[To be completed by the Structural Special Inspections Coordinator (SSICISI 1). Note that all Agent's Final Reports must be received prior to issuance.]

Project: *Martin's Point Marine Hospital – Phase One Marine Hospital Renovations*
Location: *Portland Maine,*
Owner: *Martin's Point Health Care, Portland, Maine*
Owner's Address: *331 Veranda Street*
Portland, Maine 04103

Architect of Record: *Brian Curley* (name) *Portland Design Team* (firm)

Structural Registered Design Professional in Responsible Charge: *Paul B. Becker, P.E.* (name) *Becker Structural Engineers, Inc.* (firm)

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved other than the following:

Comments:

(Attach continuation sheets if required to complete the description of corrections.)

Respectfully submitted,
Structural Special Inspection Coordinator

Paul **B. Becker,** P.E.
(Type or print name)

Becker Structural Engineers, Inc.
(Firm Name)

Signature Date

Licensed Professional Seal

Statement of Special Inspections (Continued) - Exhibit A

Special Inspector's/Agent's Final Report

Project: *Martin's Point Marine Hospital – Phase One Marine Hospital Renovations*

Special Inspector or Agent: *Paul Kohler, P.E.* *S. W. Cole Engineering, Inc.*

(name) *(firm)*

Designation: TL1

To the best of my information, knowledge and belief, the Special Inspections or testing required for this project, and designated for this Inspector/Agent in the Statement of Special Inspections submitted for permit, have been performed and all discovered discrepancies have been reported and resolved other than the following:

Comments:

(Attach continuation sheets if required to complete the description of corrections.)

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,
Special Inspector or Agent:

Paul Kohler, P.E.
(Type or print name)

Signature Date

Licensed Professional Seal

Certification Number

Special Inspections – Exhibit B

Qualifications of Inspectors and Test Agency
List of Minimum Qualifications
Schedule of Structural Inspections

Note: The structural scope of work includes renovations to an existing structure which will remain substantially unchanged. The following work areas are addressed in the Statement of Special Inspections and will be the focus of our site reviews:

Division 3:	Canopy foundations and entry foundations
Division **4:**	Brick masonry restoration
Division ***5:***	Steel fire escape modifications
	Steel lintel installation over existing window openings
Division 6	Balcony connections; wood-to-wood connections and epoxy bolt connections at brick wall ledgers

Schedule of Special Inspections – Exhibit B

SOILS & FOUNDATION CONSTRUCTION

Project: Martin's Point Phase One-Marine Hospital Renovations, Portland, ME
Date Prepared: 08/07/2006

VERIFICATION AND INSPECTION IBC Section 1704.7, 1704.8, 1704.9	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	REV
1. Verify existing soil conditions, fill placement and load bearing requirements							
a. Prior to placement of prepared fill, determine that the site has been prepared in accordance with the approved soils report.	N	P	IBC 1704.7.1	SI2	PE/GE or EIT		
b. During placement and compaction of fill material, verify material being used and maximum lift thickness comply with the approved soils report.	N	P	IBC 1704.7.2	SI2	PE/GE or EIT		
c. Test in-place dry density of compacted fill complies with the approved soils report.	N	p	IBC 1704.7.2	TA1	NICET-ST or NICET-GET		
2. Pile foundations:							
a. Observe and record procedures for static load testing of piles.	N	C	IBC 1704.8	SI2	PE/GE or EIT		
b. Observe and record procedures for dynamic load testing of piles.	N	C		SI2	PE/GE or EIT		
c. Record installation of each pile and results of load test. Include cutoff and tip elevations of each pile relative to permanent reference.	N	C		TA1	NICET-GET		
d. Test welded splices of steel piles	N	C	AWS D1.1	TA1	AWS-CWI		
3. Pier foundations: Verify installation of pier foundations for buildings assigned to Seismic Design Category C, D, E or F.	N	C	IBC 1704.9	SI2	PE/GE or EIT		
a. Verify pier diameter and length	N	C		SI2	PE/GE or EIT		
b. Verify pier embedment (socket) into bedrock	N	P		SI2	PE/GE or EIT		
c. Verify suitability of end bearing strata	N	P		SI2	PE/GE or EIT		

NOT REQUIRED

8/1/06

sec

Da

Schedule of Special Inspections – Exhibit B

CONCRETE CONSTRUCTION

Project: Martin's Point Phase One-Marine Hospital Renovations, Portland, ME
Date Prepared: 08/07/2006

VERIFICATION AND INSPECTION IBC Section 1704.4	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	REV
1. Inspection of reinforcing steel, including prestressing tendons, and placement	Y	P	ACI 318: 3.5, 7.1-7.7	SI1	PE/SE or EIT		
2. Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased	Y	C	IBC 1912.5	SI1	PE/SE or EIT		
3. Verifying use of required design mix	Y	P	ACI 318: Ch 4, 5.2-5.4	SI1	PE/SE or EIT		
4. At time fresh concrete is sampled to fabricate specimens for strength test, perform slump and air content test and temperature	Y	C	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	TA1	ACI-CFTT or ACI-STT		

Schedule of Special Inspections – Exhibit B

MASONRY CONSTRUCTION

Project: Martin's Point Phase One-Marine Hospital Renovations, Portland, ME
Date Prepared: 08/07/2006

VERIFICATION AND INSPECTION IBC Section 1704.5	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	REV
1. As masonry construction begins, the following shall be verified to ensure compliance:							
a. Proportions of site-prepared mortar.	Y	P	ACI530.1, 2.6A	TA1	PE/SE or EIT		

Masonry Construction has been reviewed in accordance with section 1704.5 of the IBC Code

Special Inspector_____ Date_____

Schedule of Special Inspections – Exhibit B

STEEL CONSTRUCTION

Project: Martin's Point Phase One-Marine Hospital Renovations, Portland, ME
Date Prepared: 08/07/2006

VERIFICATION AND INSPECTION IBC Section 1704.3	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	REV
1. Material verification of structural steel (IBC Sect 1708.4):							
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	Y	S	ASTM A 6 or ASTM A 568 IBC Sect 1708.4	SI1	PE/SE or EIT		
b. Manufacturers' certified mill test reports.	Y	S	ASTM A 6 or ASTM A 568 IBC Sect 1708.4	SI1	PE/SE or EIT		
2. Material verification of weld filler materials:							
a. Identification markings to conform to AWS specification in the approved construction documents.	Y	S	AISC, ASD, Section A3.6; AISC LRFD, Section A3.5	SI1	PE/SE or EIT		
b. Manufacturer's certificate of compliance required.	Y	S		SI1	PE/SE or EIT		
3. Submit current AWS D1.1 welder certificate for all field welders who will be welding on this project.	Y	S	AWS D1.1	SI1	PE/SE or EIT		
4. Inspection of welding (IBC 1704.3.1): a. Structural steel:							
1) Complete and partial penetration groove welds.	N	C	AWS D1.1	TA1	AWS-CWI		
2) Multi-pass fillet welds.	N	C		TA1	AWS-CWI		
3) Single-pass fillet welds> 5/16"	N	C		TA1	AWS-CWI		
4) Single-pass fillet welds< 5/16"	Y	P		TA1	AWS-CWI		
5) Floor and deck welds.	N	P	AWS D1.3	TA1	AWS-CWI		
7. Inspection of steel frame joint details for compliance (IBC Sect 1704.3.2) with approved construction documents:							
a. Details such as bracing and stiffening.	N	P		SI1	PE/SE or EIT		
b. Member locations.	Y	P		SI1	PE/SE or EIT		
c. Application of joint details at each connection.	Y	P		SI1	PE/SE or EIT		

Steel Construction has been reviewed in accordance with section 1704.3 of the IBC Code

Special Inspector_____ Date_____

Schedule of Special Inspections – Exhibit B

WOOD CONSTRUCTION

Project: Martin's Point Phase One-Marine Hospital Renovations, Portland, ME
Date Prepared: 08/07/2006

VERIFICATION AND INSPECTION IBC Section 1704.6	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	REV
1. Fabrication of high-load diaphragms							
a. Verify wood structural panel sheathing for grade and thickness	N	P	IBC 1704.6	SI1	PE/SE or EIT		
b. Verify the nominal size of framing members at adjoining panel edges	N	P	IBC 1704.6	SI1	PE/SE or EIT		
b. Verify the nail or staple diameter and length	N	P	IBC 1704.6	SI1	PE/SE or EIT		
b. Verify the number of fastener lines	N	P	IBC 1704.6	SI1	PE/SE or EIT		
b. Verify the spacing between fasteners in each line and at edge margins	N	P	IBC 1704.6	SI1	PE/SE or EIT		
2. Load Tests for Joist Hangers: Provide evidence of manufacturer's load test in accordance with ASTM D1761 including the vertical load bearing capacity, torsional moment capacity, and deflection characteristics when there is no calculated procedure recognized by the code.	N	S	IBC 1715 [submit ICBO reports]	SI1	PE/S or		
3. Verify anchorage of deck ledgers at balconies	Y	P	IBC 1704.6	SI1	E/SE or EIT		
4. Verify wood-to-wood Connections	Y	P	IBC 1704.6	SI1	PE/SE or EIT		

Special Inspections – Exhibit C

Quality Assurance for Seismic Resistance Seismic Checklist
Quality Assurance for Seismic Resistance Wind Checklist
Schedule of Inspections

(Note: participation of Architect, Mechanical Engineer and Electrical Engineer of Record will be required to Complete Exhibit C)

NOT REQ'D
PBS 8/7/06

Special Inspections – Exhibit D

Contractor's Statement of Responsibility

(Note: a statement must be completed by each contractor for each system or component designated in Exhibit C)

NOT REQ'D
PBS 8/7/06

End of Statement of Special Inspections

B E C K E R
structural engineers, inc.

Statement of Special Inspections

Martin's Point Phase One-Marine Hospital Renovations
Portland, ME
August 07,2006

Statement Prepared by
Structural Engineer of Record
Becker Structural Engineers, Inc.
75 York Street
Portland, ME 0410I
207.879. 1838

Owner
Martin's Point Health Care
331 Veranda Street
Portland, ME 04103
207. 774. 5801

Architect of Record
PDT Architects
49 Dartmouth Street
Portland, ME 04101
207. 775. 1059

Contractor
Ledgewood Construction
PO Box 8107
Portland, ME 04104
207.767. 1866

Special Inspections – Exhibit A

Statement of Special Inspections
List of Agents
Final Report of Special Inspections
Special Inspector/Agent Report

Statement of Special Inspections - Exhibit A

Project: *Martin's Point Marine Hospital – Phase One Marine Hospital Renovations*

Location: *Portland Maine,*

Owner: *Martin's Point Health Care, Portland, Maine*

This Statement *of* Special Inspections encompass the following discipline:

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

Design Professional in Responsible Charge: *Paul B. Becker, P.E.*

Firm Name: *Becker Structural Engineers, Portland, ME*

(Note: Statement of Special Inspections for other disciplines may be included under a separate cover)

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 Structural Special Inspection Coordinator (SSIC) and the identity of other approved agencies to be retained for conducting these inspections and tests.

The Structural Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Code Official (BCO) and the Structural Registered Design Professional in Responsible Charge (SRDP). 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 Structural 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 Structural Registered Design Professional in Responsible Charge at an interval determined by the SSIC and the BCO.

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 to the BCO 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.

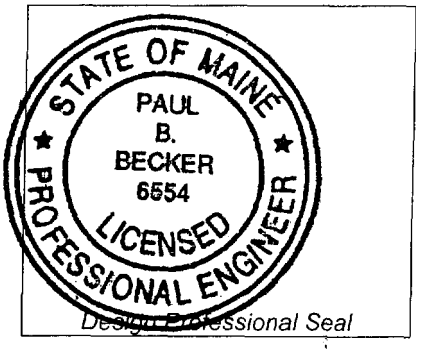
Interim Report Frequency: ☒ *Upon request of Building Official* _____ or ☐ per attached schedule.

Prepared by:

Paul B. Becker, P.E.
(type or print name of the Structural Registered Design Professional in Responsible Charge)

Signature

August 7, 2006
Date



Design Professional Seal

Owner's Authorization:

Signature Date

Building Code Official's Acceptance:

Signature Date

Statement of Special Inspections (Continued) - Exhibit A

List of Agents

Project: *Martin's Point Marine Hospital – Phase One Marine Hospital Renovations*

Location: *Portland Maine,*

Owner: *Martin's Point Health Care, Portland, Maine*

This *Statement* of *Special Inspections* encompass the following discipline:

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

(Note: *Statement of Special Inspections* for other disciplines may be included under a separate cover)

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

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

Special Inspection Agencies	Firm	Address. Telephone. e-mail
1. Structural Special Inspection Coordinator (SSIC)	*Becker Structural Engineers (BSE)*	*75 York Street* *Portland, ME 04107* *(207) 879-1838* *info@beckerstructural.com*
2. Special Inspector (SI 1)	*Becker Structural Engineers (BSE)*	*75 **York** Street* *Portland, ME 04107* *(207) 879-1838* *info@beckerstructural.com*
3. Special Inspector (SI 2)		
4. Testing Agency (TA 1)	*S. W. Cole Engineering (SWC)*	*286 Portland Road* *Gray, ME 04039-9586* *Ph (207) 657-2866* *pkohler@swcole.com*
5. Testing Agency (TA 2)		
6. Other (O1)		

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.

Final Report of Special Inspections (SSICISI 1)

[To be completed by the Structural Special Inspections Coordinator (SSICISI 1). Note that all Agent's Final Reports must be received prior to issuance.]

Project: *Martin's Paint Marine Hospital – Phase One Marine Hospital Renovations*
Location: *Portland Maine,*
Owner: *Martin's Paint Health Care, Portland, Maine*
Owner's Address: *331 Veranda Street*
Portland, Maine 04103

Architect of Record: *Brian Curley* (name) *Portland Design Team* (firm)

Structural Registered Design Professional in Responsible Charge: *Paul B. Becker, P.E.* (name) *Becker Structural Engineers, Inc.* (firm)

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved other than the following:

Comments:

(Attach continuation sheets if required to complete the description of corrections.)

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,
Structural Special Inspection Coordinator

Paul B. Becker. P.E.
(Type or print name)

Becker Structural Engineers, Inc.
(Firm Name)

Signature Date

Licensed Professional Seal

Statement of Special Inspections (Continued) - Exhibit A

Special Inspector's/Agent's Final Report

Project: *Martin's Point Marine Hospital – Phase One Marine Hospital Renovations*

Special Inspector or Agent: *Paul Kohler, P.E.* (name) *S.W. Cole Engineering, Inc.* (firm)

Designation: TL1

To the best of my information, knowledge and belief, the Special Inspections or testing required for this project, and designated for this Inspector/Agent in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved other than the following:

Comments:

(Attach continuation sheets if required to complete the description of corrections.)

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,
Special Inspector or Agent:

Paul Kohler, P.E.
(Type or print name)

Signature Date

Licensed Professional Seal

Special Inspections – Exhibit B

Qualifications of Inspectors and Test Agency
List of Minimum Qualifications
Schedule of Structural Inspections

Note: The structural scope of work includes renovations to an existing structure which will remain substantially unchanged. The following work areas are addressed in the Statement of Special Inspections and will be the focus of our site reviews:

Division 3:	Canopy foundations and entry foundations
Division 4:	Brick masonry restoration
Division 5:	Steel fire escape modifications
	Steel lintel installation over existing window openings
Division 6	Balcony connections; wood-to-wood connections and epoxy bolt connections at brick wall ledgers

Schedule of Special Inspections – Exhibit B
SOILS & FOUNDATION CONSTRUCTION

Project: Martin's Point Phase One-Maine Hospital Renovations, Portland, ME
Date Prepared: 08/07/2006

VERIFICATION AND INSPECTION IBC Section 1704.7, 1704.8, 1704.9	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	REV
1. Verify existing soil conditions, fill placement and load bearing requirements							
a. Prior to placement of prepared fill, determine that the site has been prepared in accordance with the approved soils report.	N	P	IBC 1704.7.1	SI2	PE/GE or EIT		
b. During placement and compaction of fill material, verify material being used and maximum lift thickness comply with the approved soils report.	N	P	IBC 1704.7.2	SI2	PE/GE or EIT		
c. Test in-place dry density of compacted fill complies with the approved soils report.	N	P	IBC 1704.7.2	TA1	NICET-ST or NICET-GET		
2. Pile foundations:							
a. Observe and record procedures for static load testing of piles.	N	C	IBC 1704.8	SI2	PE/GE or EIT		
b. Observe and record procedures for dynamic load testing of piles.	N	C		SI2	PE/GE or EIT		
c. Record installation of each pile and results of load test. Include cutoff and tip elevations of each pile relative to permanent reference.	N	C		TA1	NICET-GET		
d. Test welded splices of steel piles	N	C	AWS D1.1	TA1	AWS-CWI		
3. Pier foundations: Verify installation of pier foundations for buildings assigned to Seismic Design Category C, D, E or F.	N	C	IBC 1704.9	SI2	PE/GE or EIT		
a. Verify pier diameter and length	N	C		SI2	PE/GE or EIT		
b. Verify pier embedment (socket) into bedrock	N	P		SI2	PE/GE or EIT		
c. Verify suitability of end bearing strata	N	P		SI2	PE/GE or EIT		

NOT REQUIRED PBS 8/7/06

Schedule of Special Inspections – Exhibit B
CONCRETE CONSTRUCTION

Project: Martin's Point Phase One-Marine Hospital Renovations, Portland, ME
Date Prepared: 08/07/2006

VERIFICATION AND INSPECTION IBC Section 1704.4	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	REV
1. Inspection of reinforcing steel, including prestressing tendons, and placement	Y	P	ACI 318: 3.5, 7.1-7.7	SI1	PE/SE or EIT		
2. Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased	Y	C	IBC 1912.5	SI1	PE/SE or EIT		
3. Verifying use of required design mix	Y	P	ACI 318: Ch 4, 5.2-5.4	SI1	PE/SE or EIT		
4. At time fresh concrete is sampled to fabricate specimens for strength test, perform slump and air content test and temperature	Y	C	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	TA1	ACI-CFTT or ACI-STT		

Concrete Construction has been reviewed in accordance with section 1704.4 of the IBC Code

Special Inspector_____ Date_____

Schedule of Special Inspections – Exhibit B
MASONRY CONSTRUCTION

Project: Martin's Point Phase One-Marine Hospital Renovations, Portland, ME
Date Prepared: 08/07/2006

VERIFICATION AND INSPECTION IBC Section 1704.5	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	REV
1. As masonry construction begins, the following shall be verified to ensure compliance:							
a. Proportions of site-prepared mortar.	Y	P	ACI530.1, 2.6A	TA1	PE/SE or EIT		

Masonry Construction has been reviewed in accordance with section 1704.5 of the IBC Code

Special Inspector_____ Date_____

Schedule of Special Inspections – Exhibit B
STEEL CONSTRUCTION

Project: Martin's Point Phase One-Marine Hospital Renovations. Portland. ME
Date Prepared: 08/07/2006

VERIFICATION AND INSPECTION IBC Section 1704.3	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	REV
1. Material verification of structural steel (IBC Sect 1708.4):							
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	Y	S	ASTM A 6 or ASTM A 568 IBC Sect 1708.4	SI1	PE/SE or EIT		
b. Manufacturers' certified mill test reports.	Y	S	ASTM A 6 or ASTM A 568 IBC Sect 1708.4	SI1	PE/SE or EIT		
2. Material verification of weld filler materials:							
a. Identification markings to conform to AWS specification in the approved construction documents.	Y	S	AISC, ASD, Section A3.6; AISC LRFD, Section A3.5	SI1	PE/SE or EIT		
b. Manufacturer's certificate of compliance required.	Y	S		SI1	PE/SE or EIT		
3. Submit current AWS D1.1 welder certificate for all field welders who will be welding on this project.	Y	S	AWS D1.1	SI1	PE/SE or EIT		
4. Inspection of welding (IBC 1704.3.1): a. Structural steel:							
1) Complete and partial penetration groove welds.	N	C	AWS D1.1	TA1	AWS-CWI		
2) Multi-pass fillet welds.	N	C		TA1	AWS-CWI		
3) Single-pass fillet welds> 5/16"	N	C		TA1	AWS-CWI		
4) Single-pass fillet welds< 5/16"	Y	P		TA1	AWS-CWI		
5) Floor and deck welds.	N	P	AWS D1.3	TA1	AWS-CWI		
7. Inspection of steel frame joint details for compliance (IBC Sect 1704.3.2) with approved construction documents:							
a. Details such as bracing and stiffening.	N	P		SI1	PE/SE or EIT		
b. Member locations.	Y	P		SI1	PE/SE or EIT		
c. Application of joint details at each connection.	Y	P		SI1	PE/SE or EIT		

Steel Construction has been reviewed in accordance with section 1704.3 of the IBC Code

Special Inspector _____ Date _____

Schedule of Special Inspections – Exhibit B
WOOD CONSTRUCTION

Project: Martin's Point Phase One-Marine Hospital Renovations, Portland, ME
Date Prepared: 08/07/2006

VERIFICATION AND INSPECTION IBC Section 1704.6	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	REV
1. Fabrication of high-load diaphragms							
a. Verify wood structural panel sheathing for grade and thickness	N	P	IBC 1704.6	SI1	PE/SE or EIT		
b. Verify the nominal size of framing members at adjoining panel edges	N	P	IBC 1704.6	SI1	PE/SE or EIT		
b. Verify the nail or staple diameter and length	N	P	IBC 1704.6	SI1	PE/SE or EIT		
b. Verify the number of fastener lines	N	P	IBC 1704.6	SI1	PE/SE or EIT		
b. Verify the spacing between fasteners in each line and at edge margins	N	P	IBC 1704.6	SI1	PE/SE or EIT		
2. Load Tests for Joist Hangers: Provide evidence of manufacturer's load test in accordance with ASTM D1761 including the vertical load bearing capacity, torsional moment capacity, and deflection characteristics when there is no calculated procedure recognized by the code.	N	S	IBC 1715 [submit ICBO reports]	SI1	PE/SE or EIT		
3. Verify anchorage of deck ledgers at balconies	Y	P	IBC 1704.6	SI1	PE/SE or EIT		
[illegible]	Y	P	IBC 1704.6	SI1	PE/SE or EIT		

Wood Construction has been reviewed in accordance with section 1704.6 of the IBC Code

Special Inspector_____ Date_____

Special Inspections – Exhibit C

Quality Assurance for Seismic Resistance Seismic Checklist
Quality Assurance for Seismic Resistance Wind Checklist
Schedule of Inspections

(Note: participation of Architect, Mechanical Engineer and Electrical Engineer of Record will be required to Complete Exhibit C)

NOT REQ'D
PBB 8/7/06

Special Inspections – Exhibit D

Contractor's Statement of Responsibility

(Note: a statement must be completed by each contractor for each system or component designated in Exhibit C)

NOT REQ'D
PBS 8/7/06

End of Statement of Special Inspections

131 Eight Rod Road
Augusta, Maine 04330
Phone: (207) 458-7143
Fax: (207) 621-8324
Email: Iconenviro@aol.com

Icon Environmental Consultants

July 24, 2006

Portland Diversified Services
680 Stroudwater St.
Westbrook, Maine 04092
Attn: Mr. Jim Merchant

Re: Martins Point Complex

Mr. Merchant:

Icon Environmental performed 2 Final Visual Evaluation and Clearance Air Sample Analysis at Martins Point in Portland, Maine. The work was performed on July 19, 2006. Portland Diversified Services removed asbestos quantities as follows:

Area #1 – 2nd floor Rooms 222-223, 230 square feet of floor tile and mastic

Area #2 – Room 216, 50 linear feet of thermal system insulation and 20 square feet of duct

Area #3 – Room 211,200 square feet of 12 x 12 floor tile. Room 213, 800 square feet of wall and ceiling skim coat

Area #4 – Rooms 103, 104, 105, 106, 108, 110 floor tile and Room 110, 15 linear feat of thermal system insulation

Area #5 – Basement, 9 linear feet

The abatement activity was performed within a negative air enclosure by Maine DEP licensed personnel.

A total of eighteen aggressive air samples were collected.. Aggressive sampling is designed to stimulate the air in the work zone for a more accurate level of activity, The aggressive sampling uses fans to agitate the air during testing.

The samples were collected by Icon Air Monitor, Craig Wilson. The evaluation was acceptable. The air sampler;were analyzed using the NIOSH 7400 Method. The air samples were reported below Maine DEP and EPA clearance criteria. The air test results indicate reoccupation is acceptable.

Icon Air Analysis Sheet and Final Cleaning Checklist are attached.

ICON ENVIRONMENTAL CONSULTANTS
FINAL CLEANING CHECK LIST

DATE: 7/19/06 TIME: 0605 LOCATION: 2ND FLR Room 222-223

PROJECT NAME: Martinsville Complex JOB NUMBER: 0150-P05

CONTRACTOR: Portland Diversified PROJECT MONITOR: C. Nelson

FINDINGS	YES	NA*	NO*
1. Visible ACBM removed, equipment, supplies, waste.	✓		
2. Required poly barriers in good condition (no tears).	✓		
3. Surfaces wet wiped, substrate touched to confirm.	✓		
4. Design and Notification on site.	✓		
5. Negative pressure system operating at/above .02/H_2O	✓		
6. Wall, ceiling, floor, pipe, boiler, tank, fitting visual pass?	✓		
7. Does containment match design?	✓		
8. Area dry for air test?	✓		
9. Has Monitor signed on containment log?	✓		

REMARKS *(All NO/NA responses require further explanation)
(Indicate deficiencies and locations)

1. AREA #1

Completion of post tear down visual Yes/No Pass/Fail
Quantity of Asbestos Abated: floor tile and MASTIC 230 SQ FT MASTIC to be done

Visual Inspection: Passed ✓ Failed

Clearance Air Results: Waiting Date: 7/19/06 No. of Samples 3

PROJECT SUPERINTENDENT: [signature]
(Signature)

Please contact us at (207) 458-7143 with any questions.

Sincerely,

Craig E. Wilson
Air Analyst, Air Monitor
Maine DEP # AA-0016, AM-0019

ICON ENVIRONMENTAL CONSULTANTS
131 EIGHT ROD ROAD
AUGUSTA, MAINE 04330
AIR SAMPLE ANALYSIS REPORT
207-458-7143
Iconenviro@aol.com

Client: Maxfield's Point
Portland, Maine

Date: 7/19/06

Project: Admin RMs
2ND FLR 222-223

Client Ref. Number: 6150-PDS

SAMPLE #	LOCATION/NAME	DURATION	AVE. FLOW RATE	LITERS	FIBER COUNT	CONCENTRATION
Blank B-1	Blank	—	—	—	1/100	
C-1	Room 222	0610-0845	16	2480	12.5/100	0.003 f/cc
C-3	Room 223	0611-0846	16	2480	15.5/100	0.003 f/cc
C-2	Room 223	0611-0846	16	2480	14/100	0.003 f/cc
Blank						
QA/QC						

Analyst: C Clark

Maine DEP #: AA-0018

Client requests disposal of samples Yes/No
PCM Analysis performed per NIOSH 7400 method.
Log in Date:_____ Log in Storage Date:_____

Waste Date:_____

ICON ENVIRONMENTAL CONSULTANTS
FINAL CLEANING CHECK LIST

DATE: 7/19/06 TIME: 0616 LOCATION: Room 216 - Area II

PROJECT NAME: Martin Point JOB NUMBER: 6150-PAS

CONTRACTOR: Portland Diversified PROJECT MONITOR: C. Wilson

FINDINGS	YES	NA*	NO*
1. Visible ACBM removed, equipment, supplies, waste.	✓		
2. Required poly barriers in good condition (no tears).	✓		
3. Surfaces wet wiped, substrate touched to confirm.	✓		
4. Design and Notification on site.	✓		
5. Negative pressure system operating at/above .02/H_2O	✓		
6. Wall, ceiling, floor, pipe, boiler, tank, fitting visual pass?	✓		
7. Does containment match design?	✓		
8. Area dry for air test?	✓		
9. Has Monitor signed on containment log?	✓		

REMARKS *(All NO/NA responses require further explanation)
(Indicate deficiencies and locations)

Completion of post tear down visual Yes/No Pass/Fail
Quantity of Asbestos Abated: 5040 FT TSI - 20 sqFT of Duct

Visual Inspection: Passed ✓ Failed

Clearance Air Results: below reporting limit Date: 7/19/06 No. of Samples 2

PROJECT SUPERINTENDENT: Tim Merchant
(Signature)

ICON ENVIRONMENTAL CONSULTANTS
131 EIGHT ROD ROAD
AUGUSTA, MAINE 04330
AIR SAMPLE ANALYSIS REPORT
207-458-7143
Iconenviro@aol.com

Client: Machias Port Administration

Date: 7/19/06

Project: Room 216

Client Ref. Number: 6150-P05

SAMPLE #	LOCATION/NAME	DURATION	AVE. FLOW RATE	LITERS	FIBER COUNT	CONCENTRATION
Blank B-1	Blank	—	—	—	2/100	
C-1	by window	0821-0856	16	2480	16.5/100	0.003 f/cc
C-2	near middle	0821-0856	16	2480	17/100	0.004 f/cc
Blank						
QA/QC						

Analyst: [signature]

Maine DEP #: AA-0006

Client requests disposal of samples Yes/No

PCM Analysis performed per NIOSH 7400 method.

Air Sample Analysis Report Rev. 12/04

Log in Date:_____ Log in Storage Date:_____ Waste Date:_____

ICON ENVIRONMENTAL CONSULTANTS
FINAL GLEANING CHECK LIST

DATE: 7/19/06 TIME: 0628 LOCATION: Room 211, 213 Area 3

PROJECT NAME: Martins Point JOB NUMBER: 6150 - P15

CONTRACTOR: Portland Diversified PROJECT MONITOR: C. Wilson

FINDINGS	YES	NA*	NO*
1. Visible ACBM removed, equipment, supplies, waste.	✓		
2. Required poly barriers in good condition (no tears).	✓		
3. Surfaces wet wiped, substrate touched to confirm.	✓		
4. Design and Notification on site.	✓		
5. Negative pressure system operating at/above .02/H_2O	✓		
6. Wall, ceiling, (floor) pipe, boiler, tank, fitting visual pass?			
7. Does containment match design?			
8. Area dry for air test?			
9. Has Monitor signed on containment log?			

REMARKS *(All NO/NA responses require further explanation)

(Indicate deficiencies and locations)

1. Room 211 12X12 Floor tile 200 sq FT
1. Room 213 Wall and Ceiling Skim coat 800 sq FT

Completion of post tear down visual Yes/No Pass/Fail
Quantity of Asbestos Abated: See Above

Visual inspection: Passed ✓ Failed

Clearance Air Results: below detection Date: 7/19/06 No. of Samples 4

PROJECT SUPERINTENDENT: Tom Treadwell
(Signature)

ICON ENVIRONMENTAL CONSULTANTS
131 EIGHT ROD ROAD
AUGUSTA, MAINE 04330
207-458-7143
Iconenviro@aol.com

AIR SAMPLE ANALYSIS REPORT

Client: Maritime Resort
Admin Bldg

Date: 7/19/06

Project: Room 211, 213
AREA II

Client Ref. Number: 6150-PAS

SAMPLE #	LOCATION/NAME	DURATION	AVE. FLOW RATE	LITERS	FIBER COUNT	CONCENTRATION
Blank B-1	Blank	—	—	—	1/100	
C-1	Room 211	0631-0906	16	2480	14/100	0.004 f/cc
C-2	Room 211	0631-0906	16	2480	21/100	0.004 f/cc
C-3	Room 213	0630-0905	16	2480	18.5/100	0.004 f/cc
C-4	Room 213	0630-0905	10	2480	21/100	0.004 f/cc
Blank						
QA/QC						

Analyst: C. Wilk

Maine DEP #: AA-0016

Client requests disposal of samples Yes/No

PCM Analysis performed per NIOSH 7400 method.

Air Sample Analysis Report Rev. 12/04

Log in Date:_____ Log in Storage Date:_____ Waste Date:_____

ICON ENVIRONMENTAL CONSULTANTS
FINAL CLEANING CHECK LIST

DATE: 7/19/06 TIME: 0639 LOCATION: 1st Fl Area IV

PROJECT NAME: Martin's Point JOB NUMBER: 6150-PBS

CONTRACTOR: Portland Abrasives. Fed PROJECT MONITOR: Nelson

FINDINGS	YES	NA*	NO*
1. Visible ACBM removed, equipment, supplies, waste.	✓		
2. Required poly barriers in good condition (no tears).	✓		
3. Surfaces wet wiped, substrate touched to confirm.	✓		
4. Design and Notification on site.	✓		
5. Negative pressure system operating at/above .02/H_2O	✓		
6. Wall, ceiling, floor, pipe, boiler, tank, fitting visual pass?	✓		
7. Does containment match design?	✓		
8. Area dry for air test?	✓		
9. Has Monitor signed on containment log?	✓		

REMARKS *(All NO/NA responses require further explanation)
(Indicate deficiencies and locations)

1. Room 103, 104, 105, 106, 108, 110
1. Room 110 TSL IS lowered FIRST

Completion of post tear down visual Yes/No Pass/Fail
Quantity of Asbestos Abated: See Above

Visual inspection: Passed ✓ Failed

Clearance Air Results: below 0.01 f/cc Date: 7/19/06 No. of Samples 6

PROJECT SUPERINTENDENT: Jim Merchant
(Signature)

ICON ENVIRONMENTAL CONSULTANTS
131 EIGHT ROD ROAD
AUGUSTA, MAINE 04330
AIR SAMPLE ANALYSIS REPORT
207-458-7143
Iconenviro@aol.com

Client: Augusta Point Admin Bldg

Date: 7/19/06

Project: Acct IV

Client Ref. Number: 0150-P15

SAMPLE #	LOCATION/NAME	DURATION	AVE. FLOW RATE	LITERS	FIBER COUNT	CONCENTRATION
Blank B-4	BLANK	—	—	—	0/100	
C-1	Room 110 / Hall	0658-0940	16	2592	13/100	0.003 f/cc
C-2	Room LEFT big Hall 108	0657-0939	16	2592	15/100	0.003 f/cc
C-3	Room 105	0657-0939	16	2592	16.5/100	0.003 f/cc
C-4	Rooms 103/104	0653-0938	16	2480	18.5/100	0.004 f/cc
C-5	Room 104 Long	0652-0937	16	2480	14/100	0.003 f/cc
C-6	Hall to room	0657-0940	16	2608	10/100	0.003 f/cc
Blank						
QA/QC						

Analyst: [signature]

Maine DEP #: AA-0016

Client requests disposal of samples Yes/No

PCM Analysis performed per NIOSH 7400 method.

Air Sample Analysis Report Rev. 12/04

Log in Date:_____ Log in Storage Date:_____ Waste Date:_____

ICON ENVIRONMENTAL CONSULTANTS
FINAL CLEANING CHECK LIST

DATE: 7/24/06 TIME: 0703 LOCATION: Area V - Basement

PROJECT NAME: Martin's Point JOB NUMBER: 6150-P05

CONTRACTOR: Portland Diversified PROJECT MONITOR: Carlson

FINDINGS	YES	NA*	NO*
1. Visible ACBM removed, equipment, supplies, waste.	✓		
2. Required poly barriers in good condition (no tears).	✓		
3. Surfaces wet wiped, substrate touched to confirm.	✓		
4. Design and Notification on site.	✓		
5. Negative pressure system operating at/above .02/H_2O	✓		
6. Wall, ceiling, floor, pipe, boiler, tank, fitting visual pass?	✓		
7. Does containment match design?	✓		
8. Area dry for air test?	✓		
9. Has Monitor signed on containment log?	✓		

REMARKS *(All NO/NA responses require further explanation)

(Indicate deficiencies and locations)

1. 9 LINEAR FEET - Area Samples - 3

Completion of post tear down visual Yes/No Pass/Fail

Quantity of Asbestos Abated: See Above

Visual inspection: Passed ✓ Failed

Clearance Air Results: Below detect Date: 7/24/06 No. of Samples 3

PROJECT SUPERINTENDENT: Jim Merchant
(Signature)

ICON ENVIRONMENTAL CONSULTANTS
131 EIGHT ROD ROAD
AUGUSTA, MAINE 04330
AIR SAMPLE ANALYSIS REPORT
207-458-7143
Iconenviro@aol.com

Client: Martin's Point

Date: 7/19/06

Project: AREA V
Basement

Client Ref. Number: 1150-P05

SAMPLE #	LOCATION/NAME	DURATION	AVE. FLOW RATE	LITERS	FIBER COUNT	CONCENTRATION
Blank B-1	Blank	—	—	—	1/100	
C-1	Basement water area	0710-0945	16	2480	20/100	0.004 f/cc
C-2	↓	0711-0946	16	2480	13.5/100	0.004 f/cc
C-3	↓	0711-0947	16	2480	18/100	0.004 f/cc
Blank						
QA/QC						

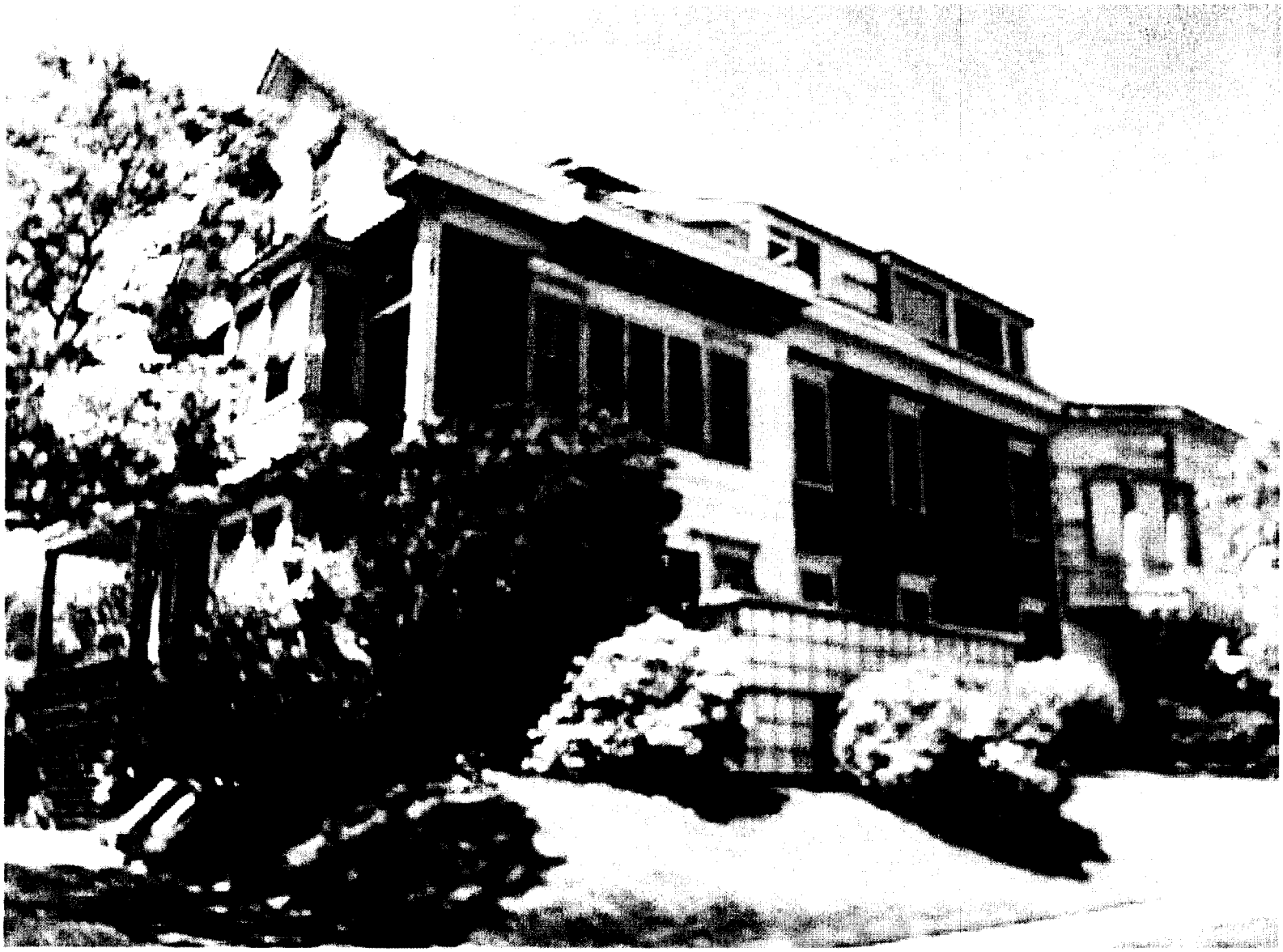
Analyst: C Mill

Maine DEP #: AA-0016

Client requests disposal of samples Yes/No
PCM Analysis performed per NIOSH 7400 method.

Air Sample Analysis Report Rev. 12/04

Log in Date:_____ Log in Storage Date:_____ Waste Date:_____



FROM DESIGNER: David C. Webster

DATE: May 2, 2006

Job Name: Renovate of existing Marine Hospital

Address of Construction: 331 Veranda Street, Portland, ME 04101

2003 International Buildina Code

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

Building Code and Year 2003 IBC Use Group Classification(s) Existing Building-Historic Building

Type of Construction

Will the Structure have a Fire suppression system in Accordance with Section 903.3.I of the 2003 IRC yes

Is the Structure mixed use? No if yes, separated or non separated (see Section 302.3)

Supervisory alarm system'! yes Geotechnical/Soils report required?(See Section 1802.2)

SEE ATTACHED BY BECKER STRUCTURAL

STRUCTURAL DESIGN CALCULATIONS

_____ Submitted for **all** structural **members** *(106.1, 106.1.1)*

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)

Uniformly distributed floor live loads *(1603.1.1, 1607)*

Floor Area Use	Loads Shown

Wind loads *(1603.1.4, 1609)*

_____ Design option utilized *(1609.1.1, 1609.6)*

_____ Basic wind **speed** *(1609.3)*

_____ Building category and wind Importance factor, I_w *(Table 1604.5, 1609.5)*

_____ Wind *exposure* **category** *(7609.4)*

_____ **Internal** pressure **coefficient** *(ASCE 7)*

_____ Component and cladding **pressures** *(1609.11, 1609.6.2.2)*

_____ Main force wind pressures *(1609.1.7, 1609.6.2.1)*

Earthquake design data *(16031.5, 1614 - 1623)*

_____ Design option utilized *(7674.7)*

_____ Selsmic **use** group ("Category 3 *(Table 1604.5, 1616.2)*

_____ Spectral response coefficients, S_{DS} & S_{D1} *(1615.1)*

_____ **Site class** *(1615.1.5)*

_____ Live load reduction *(1603.1.1, 1607.8, 1607.10)*

_____ Roof live loads *(1603.1.2, 1607.11)*

Roof snow loads *(1603.1.3, 1608)*

_____ Ground snow load, P_g *(1608.2)*

_____ If P_g > 10 psf, **flat-roof** snow load, P_f *(1608.3)*

_____ If P_g > 10 psf, snow exposure factor, C_e *(Table 1608.31)*

_____ If P_g > 10 psf, snow load Importance factor, I_s *(Table 1604.5)*

_____ Roof thermal factor, C_t *(Table 1608.3.2)*

_____ Sloped roof **snow load**, P_s *(1608.4)*

_____ **Seismic design** category *(1616.3)*

_____ **Basic seismic-force-resisting system** *(Table 1617.6.2)*

_____ **Response modification coefficient**, R_I and deflection amplification *factor*, C_d *(Table 1817.6.2)*

_____ Analysis procedure *(1616.6, 1617.5)*

_____ **Design** base shear *(1617.4, 1617.5.1)*

Flood **loads** *(1603.1.6, 1,612)*

_____ Flood hazard **area** *(1612.3)*

_____ Elevation of structure

Other loads

_____ Concentrated loads *(1607.41*

_____ Partition loads *(7607.5)*

_____ Impact loads (7607.8)

_____ Misc. loads *(Table 1607.6, 7607.8. 1, 1607.7, 1607.12, 1607.13, 1610, 161 1.2404)*

CITY OF PORTLAND
BUILDING CODE CERTIFICATE
389 Congress St., Room 315
Portland, Maine 04101

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of I-lousing & Community Service

FROM: Becker Structural Engineers, Inc.

RE: Certificate of Design

DATE: 5/2/06

These plans and / or specifications covering construction work on:

Maine Hospital Renovation

Martin's Point, Portland Maine

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

(SEAL) STATE OF MAINE PAUL R. BECKER 6554 LICENSED PROFESSIONAL ENGINEER

Signature:

Title: President

Firm: Becker Structural Engineers

Address: 75 York St.
Portland, ME 04101

As per Maine State Law:

$50,000.00 or more in new construction, repair expansion, **addition,** or modification for Building or Structures, shall be prepared by a registered design Professional.

CITY OF PORTLAND
BUILDING **CODE** CERTIFICATE
389 Congress St., Room 315
Portland, Maine 04101

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Service

FROM: David C. Webster, President, AIA, LEED

RE: Certificate of Design

DATE: May 2, 2006

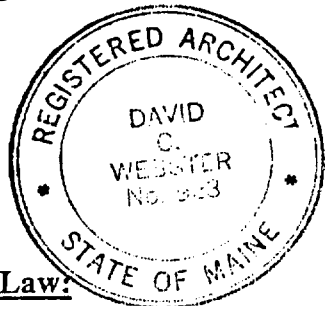
These plans and / or specifications covering construction work on:

Renovation of existina Marine Hospital located at 331 Veranda Street,

Portland, Maine for use by Martin's Point Health Care.

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

(SEAL)



Signature:

Title: President, AIA, LEED

Finn: PDT Architects

Address: 49 Dartmouth Street
Portland, ME 04101

As per Maine State Law:

$50,000.00 or more in new construction, repair expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.

CITY OF PORTLAND
BUILDING CODE CERTIFICATE
389 Congress St., Room 315
Portland. Maine 04101

ACCESSIBILITY CERTIFICATE

Designer: David C. Webster–PDT Architects

Address of Project: 331 Veranda Street Portland, ME 04101

Nature of Project: Renovation of existing Marine Hospital

for use by Martin's Point Health Care.

The technical submissions covering the proposed coiistruction 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.

Signature:

Title: President , AIA, LEED

(SEAL)

REGISTERED ARCHITECT
DAVID C. WEBSTER
No. 923
STATE OF MAINE

Firm: PDT Architects

Address: 49 Dartmouth Street

Portland, ME 04101

Phone: 207–775–1059 x221

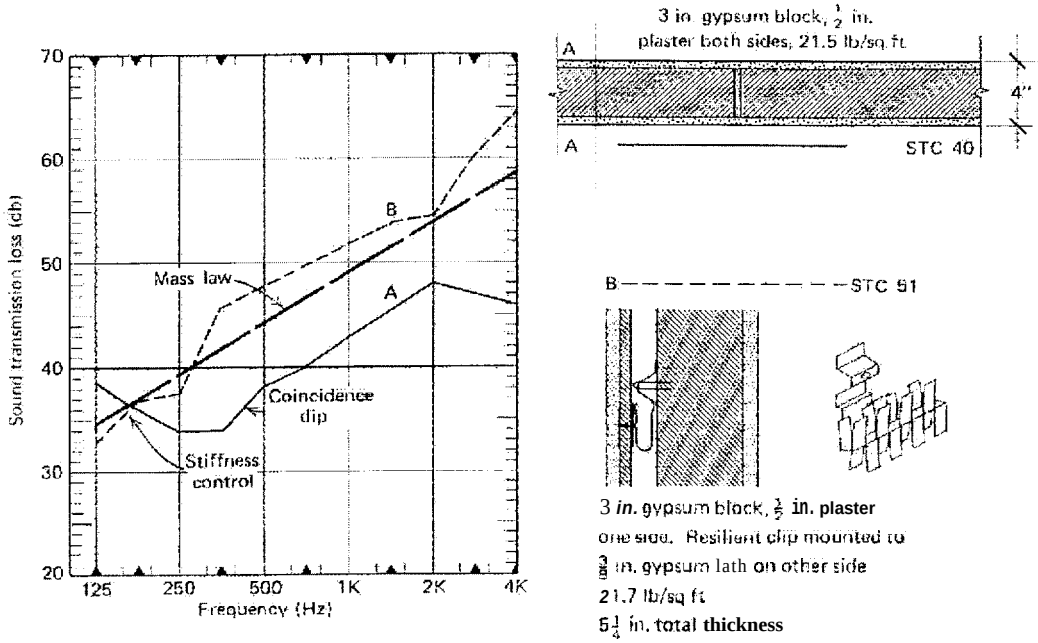


Fig. 27.16 Transmission loss characteristics of two equal weight partitions with similar boundary constraints. The solid partition A is worse than the mass law due to stiffness. The resilient-mounted wall B performs better than the mass law and much better than wall A, except at the lowest frequencies. (Data extracted from A Guide to Airborne, Impact and Structure-Borne Noise Control in Multi-family Dwellings, *1968, pp. 18, 19.)*

27.15 Compound Barriers (Cavity Walls)

Since the maximum theoretical increase in transmission loss with mass increase is 6 db per doubling of mass, it is apparent that this method of transmission loss improvement rapidly reaches the limits of practicality. Indeed as we have seen, actual single homogeneous walls fall below the mass law curve. This is because mass increase brings with it stiffness increase, which as we have seen acts to *reduce* transmission loss. If, however, a barrier is constructed of two separate layers without rigid interconnection, its performance is better than the calculated transmission loss based on mass alone. Note that even the nonrigid wire ties of wall B in Fig. 27.17 lower its STC by five points. At low frequencies, where stiffness controls the transmission loss (see Fig. 27.14), the cavity in *C* acts as a rigid connection between the layers, adding stiffness and increasing transmission loss. At higher frequencies, in the mass law range, the air in the cavity acts as a damping coupling to reduce stiffness. The net result is an improvement in performance throughout the frequency range.

Transmission loss for the entire cavity wall increases with the width of the air space at the rate of approximately 5 db per doubling. Performance can be improved still further by filling the void with porous, sound-absorbent material. This acts to further decrease the stiffness of the compound structure *and* to absorb sound energy that reflects back and forth between the two inside surfaces. The performance of cavity walls is reduced by any rigid interconnections between leaves. Thus a common stud wall with frequent rigid interconnections acts little better than a single homogeneous wall. However, a stud wall with staggered studs exhibits much improved performance over a

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:
06-0669	05/05/2006	434 C005001

Location of Construction:	Owner Name:	Owner Address:	Phone:
309 VERANDA ST	CITY OF PORTLAND	389 CONGRESS ST	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Ledgewood Inc.	PO Box 8107 Portland	(207) 767-1866
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Demolitions	

Proposed Use:	Proposed Project Description:
Office's Martins Point Health Care - Phase 1- Demolition of Garage & Maintenance Building,	Phase 1- Demolition of Garage & Maintenance Building

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 07/06/2006

Note: 7/6/06 received a stamped approved site plan from Rick Knowland for PHASE I ONLY **Ok to Issue:** ☐

1) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

2) This permit for approval is for PHASE ONE ONLY. This permit does not cover any new construction of any new buildings. Separate permits shall be required for the future development.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:** 07/12/2006

Note: **Ok to Issue:** ☑

1) The interior renovations to the old municipal office building is still under review and will be approved under a subsequent permit.

2) Predemo walkthrough must occur prior to demolition work. This has been scheduled for 7/14/2006

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 07/07/2006

Note: **Ok to Issue:** ☐

1) All hazardous material storage shall be protected against possible exposures

2) All building construction shall comply with NFPA 101

3) Means of egress shall comply with NFPA 101 chapter 7

Dept: Fire **Status:** Approved **Reviewer:** Cptn Greg Cass **Approval Date:** 06/04/2006

Note: **Ok to Issue:** ☑

2) Access and egress to be maintained during construction

Dept: DRC **Status:** Approved with Conditions **Reviewer:** Rick Knowland **Approval Date:** 04/25/2006

Note: **Ok to Issue:** ☐

1) 1. See Planning conditions of approval. Approval is for phase 1 only.

Dept: Planning **Status:** Approvedwith Conditions **Reviewer:** Rick Knowland **Approval Date:** 04/26/2006

Note: Approval is only for phase 1 as shown on the site plan. No other site work may take place unless a full performance gurantee has been submitted for the rest of the site work. Phase 1 is limited primarily to demolition of the two maintenance builings, overlay and restriping of existing parking spaces surrounding the marine hospital. **Ok to Issue:** ☑

1) 1. Approval is only for phase 1 as shown on the site plan. No other site work may take place unless a full performance gurantee has been subnutted for the rest of the site work. Phase 1 is linuted primarily to demolition of the two maintemance buildings and overlay and restriping of existing parking spaces surrounding the marine hospital.