

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

Please Read Application And Notes, If Any, Attached

PERMIT ISSUED  
Permit Number: 060312  
APR 25 2006  
CITY OF PORTLAND

This is to certify that Cumberland County Ymca / NIGHT RYAN CONSTRUCTION  
has permission to Interior Renovations / Amendment to permit # 05-061 Phase  
AT 217 High St 036 G023001

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

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

Notification of inspection must be given and when permission is procured before this building or part thereof is occupied or closed-in. 4 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

**OTHER REQUIRED APPROVALS**

Fire Dept. Craig Cass 4-11-06  
Health Dept. \_\_\_\_\_  
Appeal Board \_\_\_\_\_  
Other \_\_\_\_\_  
Department Name

*[Signature]*  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

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

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

Permit No: 06-0312	Issue Date: <b>PERMIT ISSUED</b> APR 25 2006	CBL: 036 G023001
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Location of Construction: 217 High St	Owner Name: Cumberland County Ymca
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Owner Address: 70 Forest Ave	Phone: 207-874-1111
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Business Name: n/a	Contractor Name: WRIGHT RYAN CONSTRUCTIO
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Contractor Address: 10 DANFORTH ST CITY OF PORTLAND	Phone: 2077733625
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Lessee/Buyer's Name n/a	Phone: n/a
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Permit Type: Amendment to Commercial	Zone: C32
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Past USE:	Proposed USE: YMCA ; Interior Renovations / Amendment to permit # 050861 Phase 2.
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Permit Fee: \$2,721.00	Cost of Work: \$300,000.00	CEO District: 1
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FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: <b>A3</b> Type: <b>IB</b> <b>4/24/06</b>
Signature: <i>Greg Case</i>	Signature: <i>[Handwritten]</i>

Proposed Project Description:  
Interior Renovations / Amendment to permit # 050861 Phase 2. -reno. of instructional pool, men's locker room, family center room.

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action:  Approved  Approved w/Conditions  Denied

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

Permit Taken By: <b>GG</b>	Date Applied For: 03/08/2006	<b>Zoning Approval</b>
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<p>1.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not <b>started</b> within six (6) months of the date of issuance. <b>False</b> information may invalidate a building permit <b>and</b> stop all work..</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>Date: <i>3/14/06</i></p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>	<p>Historic Preservation</p> <p><input checked="" type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>
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## CERTIFICATION

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

\_\_\_\_\_  
SIGNATURE OF APPLICANT ADDRESS DATE PHONE

\_\_\_\_\_  
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE

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

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

<b>Permit No:</b> 06-0312	<b>Date Applied For:</b> 03/08/2006	<b>CBL:</b> 036 G023001
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<b>Location of Construction:</b> 217 High St	<b>Owner Name:</b> Cumberland County Ymca	<b>Owner Address:</b> 70 Forest Ave	<b>Phone:</b> 207-874- 1111
<b>Business Name:</b> n/a	<b>Contractor Name:</b> WRIGHT RYAN CONSTRUCTIO	<b>Contractor Address:</b> 10 DANFORTH STREET Portland	<b>Phone:</b> (207) 773-3625
<b>Lessee/Buyer's Name:</b> n/a	<b>Phone:</b> n/a	<b>Permit Type:</b> Amendment to Commercial	
<b>Proposed Use:</b> YMCA ; Interior Renovations / Amendment to permit # 050861 Phase 2.		<b>Proposed Project Description:</b> Interior Renovations / Amendment to permit # 050861 Phase 2. - reno. of instructional pool, men's locker room, family center room	

<b>Dept:</b> Zoning	<b>Status:</b> Approved with Conditions	<b>Reviewer:</b> Marge Schmuckal	<b>Approval Date:</b> 03/14/2006
<b>Note:</b>			<b>Ok to Issue:</b> <input checked="" type="checkbox"/>
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) all previous conditions are still in force.			
<b>Dept:</b> Building	<b>Status:</b> Approved with Conditions	<b>Reviewer:</b> Mike Nugent	<b>Approval Date:</b> 04/24/2006
<b>Note:</b>			<b>Ok to Issue:</b> <input checked="" type="checkbox"/>
1) 1) The statement of Special Inspections has to include a seismic quality assurance plan. 2) The mechanical plans do not include smoke or fire dampers for the egress corridor vents. This needs to be addressed.			
<b>Dept:</b> Fire	<b>Status:</b> Approved	<b>Reviewer:</b> Cptn Greg Cass	<b>Approval Date:</b> 04/11/2006
<b>Note:</b>			<b>Ok to Issue:</b> <input checked="" type="checkbox"/>

<b>Comments:</b>
3/9/2006-ldobson: Per MJN this needs a zoning review. Lannie
4/14/2006-mjn: Spoke w/ Randy from W/R plans need to be stamped, statement of Special Inspections need seismic quality assurance plan and a statement from the project engineer that the existing pool and supports is capable of carrying the weight from the modifications .

# All Purpose Building Permit Application

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: YMCA High Street, Portland, ME

Total Square Footage of Proposed Structure

Square Footage of Lot

Tax Assessor's Chart, Block & Lot Chart# <u>036</u> Block# <u>6</u> Lot# <u>023</u>	Owner: <u>Cumberland County YMCA</u>	Telephone: <u>207 874-1111</u>
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Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>Wright-Ryan Construction, Inc</u> <u>10 Danforth St.</u> <u>Portland, ME 04101 773-3625</u>	Cost Of Work: \$ <u>300,000.00</u> Fee: \$ <u>2,721.00</u>
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Current use: YMCA Facility

If the location is currently vacant, what was prior use: \_\_\_\_\_

Approximately how long has it been vacant: \_\_\_\_\_

Proposed use: Same Use - Renovation - ~~Phase II~~ Phase II  
Project description: Amendments to permit 050861 for interior

Contractor's name, address & telephone: Wright-Ryan Construction, Inc. 10 Danforth St  
Portland, ME 04101

Who should we contact when the permit is ready: Randy Allred - 773-3625

Mailing address: Same

+ Cell

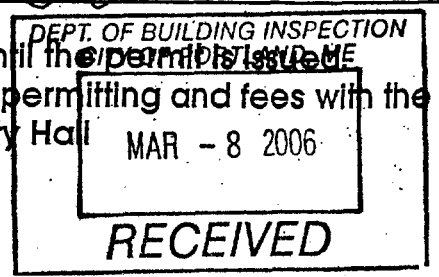
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE:

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

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

Signature of applicant: <u>Randy Allred</u> <u>Wright-Ryan</u>	Date: <u>3-2-06</u>
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This is NOT a permit, you may not commence ANY work until the permit is issued. If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4th floor of City Hall





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

ACCESSIBILITY CERTIFICATE

Designer: MICHAEL J. BELLEAU

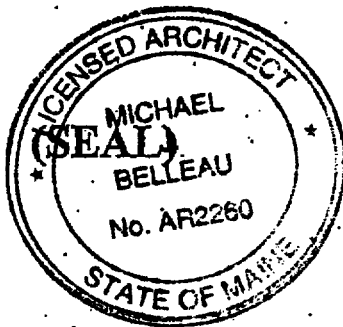
Address of Project: 70 FOREST AVE PORTLAND ME

Nature of Project: RENOVATION OF EXISTING INSTRUCTIONAL POOL

RENOVATION OF EXISTING HALL<sup>HALLWAY</sup> & MENS LOCKER ROOM

AREAS INTO SMALLER LOCKER ROOM, LARGE HALLWAY &  
FAMILY CENTER ROOM.

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.



Signature: [Handwritten Signature]

Title: PRINCIPAL/OWNER

Firm: MICHAEL BELLEAU ARCHITECT

Address: 61 PLEASANT ST.

PORTLAND ME 04101

Phone: (207) 874-7668

**NOTE: If this project is a new Multi Family Structure of 4 units or more, this project must also be designed in compliance with the Federal Fair Housing Act. On a separate submission, please explain in narrative form the method of compliance.**



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: YMCA PORTLAND

RE: Certificate of Design

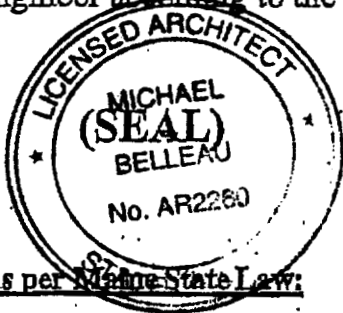
DATE: 2/20/06

These plans and/ or specifications covering construction work on:

PORTION OF 2ND FLOOR OF EXISTING YMCA BUILDING AT 70 FOREST

AUE. RENOVATION ~~AND~~ OF SMALL POOL; ~~RESTROOM, MEN'S LOCKER~~ AND NEW SPACES WHERE MEN'S LOCKER WAS.

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



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.

Signature: M. A. J. M.

Title: PRINCIPAL / OWNER

Firm: MICHAEL BELLEAU ARCHITECT

Address: 61 PLEASANT ST. PORTLAND ME

FROM DESIGNER: L & L STRUCTURAL ENGINEERING SERVICES, INC.

DATE: 2/10/06

Job Name: CUMBERLAND COUNTY YMCA INSTRUCTIONAL POOL RENOVATION

Address of Construction: 70 FOREST AVENUE, PORTLAND, MAINE 04101

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) A-3 (PORTION OF BUILDING THIS PROJECT)

Type of Construction IB (I-Pool) - Gym is IB

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC YES (GYM WILL BE DONE AT LATER DATE)

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

Supervisory alarm system? YES Geotechnical/Soils report required? (See Section 1802.2) NO

STRUCTURAL DESIGN CALCULATIONS

YES Submitted for all structural members (100.1, 108.1.1)

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1803)

Uniformly distributed floor live loads (1803.1.1, 1807)

Floor Area Use	Loads Shown
<u>COMMON AREAS</u>	<u>100 PSF</u>
<u>STAIRS &amp; EXITWAYS</u>	<u>100 PSF</u>
_____	_____
_____	_____
_____	_____

NA Live load reduction (1803.1.7, 1807.8, 1807.10)

NA Roof live loads (1803.1.2, 1807.11)

Roof snow loads (1803.1.3, 1808)

NA Ground snow load,  $P_g$  (1808.2)

NA If  $P_g > 10$  psf, flat-roof snow load,  $P_f$  (1808.3)

NA If  $P_g > 10$  psf, snow exposure factor,  $C_e$  (Table 1808.3.1)

NA If  $P_g > 10$  psf, snow load importance factor,  $I_s$  (Table 1804.5)

NA Roof thermal factor,  $C_t$  (Table 1808.3.2)

NA Sloped roof snowload,  $P_s$  (1808.4)

B Seismic design category (1816.2)

2-F Basic seismic-force-resisting system (Table 1817.5.2)

5.0/4.5 Response modification coefficient,  $R$ , and deflection amplification factor,  $C_d$  (Table 1817.5.2)

1616.6 Analysis procedure (1816.6, 1817.5)

0.058 W Design base shear (1817.4, 1817.5.1)

Wind loads (1803.1.4, 1809)

NA Design option utilized (1809.1.1, 1809.6)

NA Basic wind speed (1809.3)

NA Building category and wind importance factor,  $I_w$  (Table 1804.5, 1809.5)

NA Wind exposure category (1809.4)

NA Internal pressure coefficient (ASCE 7)

NA Component and cladding pressures (1809.1.1, 1809.2.2)

NA Main force wind pressures (1809.1.1, 1809.2.1)

Flood loads (1803.1.2, 1812)

Flood hazard area (1812.3)

Elevation of structure

Other loads

300 # Concentrated loads (1807.4)

NA Partition loads (1807.5)

NA Impact loads (1807.8)

NA Misc. loads (Table 1807.6, 1807.8.1, 1807.7, 1807.12, 1807.13, 1810, 1811, 2404)

Earthquake design data (1803.1.5, 1814 - 1828)

1615/1616 Design option utilized (1814.1)

I/B Seismic use group ("Category") (Table 1804.5, 1816.2)

0.24/0.11 Spectral response coefficients,  $S_{ps}$  &  $S_{pi}$  (1816.1)

C Site class (1815.1.5)

62.4 PCF SWIMMING POOL LOADS

**L & L STRUCTURAL  
ENGINEERING SERVICES, INC.**

Six-Q Street  
South Portland, ME 04106  
Phone: (207) 767-4830

**STATEMENT OF SPECIAL INSPECTIONS**

**PROJECT:** YMCA Instructional Pool Renovation  
**LOCATION:** 70 Forest Avenue, Portland, Maine 04101  
**DATE:** 2/10/86  
**PERMIT APPLICANT:** Cumberland County YMCA  
**APPLICANTS ADDRESS:** 70 Forest Avenue, Portland, Maine 04101

**STRUCTURAL ENGINEER OF RECORD:** Joseph H. Leasure, P.E. L&L Structural Engineering Services, Inc.  
Name Firm

**ARCHITECT OF RECORD:** MICHAEL J. BELLEAU, R.A. MICHAEL BELLEAU ARCHITECT  
Name Firm

This Statement of Special Inspections is submitted in accordance with CHAPTER 17 of the 2003 International Building Code (IBC 2003). It includes a listing of special inspections applicable to this project, as well as, the name of the Special Inspector, and the names of other agencies intended to be retained for conducting these inspections.

The special inspector shall keep records of all inspections listed herein, and shall furnish inspection reports to the Code Official and to the Registered Design Professional of Record. All discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected the discrepancies shall be brought to the attention of the Code Official and the Registered Design Professional of Record. Interim reports shall be submitted to the Code Official and Registered Design Professional of Record monthly, unless more frequent submissions are requested by the Code Official.

Job site safety is solely the responsibility of the Contractor. Materials and activities to be inspected are not to include the Contractor's equipment and methods used to erect or install the materials listed. The special inspections on this project shall be provided by: L&L Structural Engineering Services (Agent #1) and the S.W. Cole Engineering (Agent #2).

Prepared BY:

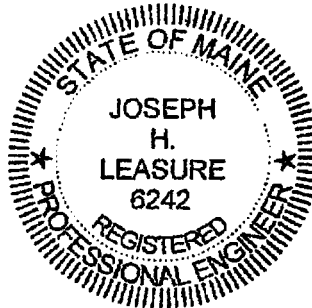
Joseph H. Leasure, P.E.

NAME

*Joseph H. Leasure*

SIGNATURE

DATE



Applicant's Authorization:

Building Code Official:

SIGNATURE

DATE

SIGNATURE

DATE



### Schedule of Inspection and Testing Agencies

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

- |  |  |
|--|--|
| <input type="checkbox"/> Soils and Foundations             | <input type="checkbox"/> Spray Fire Resistant Material         |
| <input checked="" type="checkbox"/> Cast-in-Place Concrete | <input type="checkbox"/> Wood Construction                     |
| <input type="checkbox"/> Precast Concrete                  | <input type="checkbox"/> Exterior Insulation and Finish System |
| <input type="checkbox"/> Masonry                           | <input type="checkbox"/> Mechanical & Electrical Systems       |
| <input type="checkbox"/> Structural Steel                  | <input type="checkbox"/> Architectural Systems                 |
| <input type="checkbox"/> Cold-Formed Steel Framing         | <input type="checkbox"/> Special Cases                         |

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Special Inspection Coordinator	<i>L&amp;L Structural Engineering Services, Inc.</i>	<i>Six Q Street South Portland, Maine 04106 Tel: (207) 767-4830 Fax: (207) 799-5432</i>
2. Inspector #1	<i>L&amp;L Structural Engineering Services, Inc.</i>	<i>Six Q Street South Portland, Maine 04106 Tel: (207) 767-4830 Fax: (207) 799-5432</i>
3. inspector #2		
4. Testing Agency	<i>S.W. Cole Engineering</i>	<i>286 Portland Road Gray, Maine 04039-9586 Tel: (207) 657-2886 Fax (207) 657-2840</i>
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.

## Quality Assurance Plan

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### Quality Assurance for Seismic Resistance

Seismic Design Category	Site Class C
Quality Assurance Plan Required (Y/N)	N

Description of seismic force resisting system and designated seismic systems:

*The Seismic resisting system consists of an elevated reinforced horizontal concrete slab and reinforced concrete shear walls. The system utilized transfers lateral loads from the horizontal diaphragm to the vertical shear walls.*

### Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust)	N/A
Wind Exposure Category	N/A
Quality Assurance Plan Required (Y/N)	N

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

*(Not Applicable-Structure is located on the interior of an existing building)*

*The Quality assurance plan is not required per IBC 2003, 1706.1.1, paragraph 1.*

### Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above shall submit a Statement of Responsibility to the Engineer of Record for distribution in accordance with the requirements of IBC 2003, Section 1705.3.

## Qualifications of Inspectors and Testing Technicians

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The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official, The credentials of all Inspectors and testing technicians shall be provided if requested.

### Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the *Agency Number* on the Schedule.

<b>PE/SE</b>	<b>Structural Engineer – a licensed SE or PE specializing in the design of building structures</b>
<b>PE/GE</b>	<b>Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations</b>
<b>EIT</b>	<b>Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination</b>

### American Concrete Institute (ACI) Certification

<b>ACI-CFTT</b>	<b>Concrete Field Testing Technician – Grade 1</b>
<b>ACI-CCI</b>	<b>Concrete Construction Inspector</b>
<b>ACI-LTT</b>	<b>Laboratory Testing Technician – Grade 1&amp;2</b>
<b>ACI-STT</b>	<b>Strength Testing Technician</b>

### American Welding Society (AWS) Certification

<b>AWS-CWI</b>	<b>Certified Welding Inspector</b>
<b>AWS/AISC-SSI</b>	<b>Certified Structural Steel Inspector</b>

### American Society of Non-Destructive Testing (ASNT) Certification

<b>ASNT</b>	<b>Non-Destructive Testing Technician – Level II or III.</b>
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### International Code Council (ICC) Certification

<b>ICC-SMSI</b>	<b>Structural Masonry Special Inspector</b>
<b>ICC-SWSI</b>	<b>Structural Steel and Welding Special Inspector</b>
<b>ICC-SFSI</b>	<b>Spray-Applied Fireproofing Special Inspector</b>
<b>ICC-PCSI</b>	<b>Prestressed Concrete Special Inspector</b>
<b>ICC-RCSI</b>	<b>Reinforced Concrete Special Inspector</b>

### National Institute for Certification in Engineering Technologies (NICET)

<b>NICET-CT</b>	<b>Concrete Technician – Levels I, II, III &amp; IV</b>
<b>NICET-ST</b>	<b>Soils Technician - Levels I, II, III &amp; IV</b>
<b>NICET-GET</b>	<b>Geotechnical Engineering Technician - Levels I, II, III &amp; IV</b>

### Exterior Design Institute (EDI) Certification

<b>EDI-EIFS</b>	<b>EIFS Third Party Inspector</b>
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*Other*

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# SCHEDULE OF SPECIAL INSPECTIONS

Project: YMCA INSTRUCTIONAL POOL RENOVATION (Level 1 Special Inspection per IBC 2003 Section 1708) Page: 1 of 4 2/10/2006

MATERIAL/ ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT		Agency Required Qualifications	AGENT #	DATE COMPLETED	REV #
			Y/N	EXTENT & FREQUENCY				
1704.8 PILE FOUNDATIONS	1.01	Observe Pile driving and maintain driving log per project specifications	N	Continuous field inspection				
	1.02	Observe splicing during welding operation	N	Continuous for all splices				
	1.03	Observe load test		Continuous during test				
1704.4 CONCRETE CONST.	1.04							
	1.05	Review bar size, location & splice length as indicated on the approved shop drawing and design drawings	Y	Freq: Prior to each Cono. placement		1		
Column Anchor Bolts	1.06	Review size and location prior to Concrete Placement	Y	Freq: Prior to Cono. Placement		1		
Concrete mix design	1.07	SER shall review and approve mix to be used on the project	Y	Freq: Once prior to Cono Placement		1		
Concrete Placement	1.08	Sample fresh concrete at time of placement in accordance w/ the project drawings & specification for Strength tests, Slump, Air Content and concrete temperature.	Y			2		
Concrete Placement Techniques	1.09	Inspect placement of fresh concrete (ACI 318: 5.9, 5.10)	Y	Freq: Perform after concrete footing and wall placement.		1		
Concrete Curing Techniques	1.1	Review compliance w/ project specifications (ACI 318: 5.11-5.13)	Y	Review after each placement		1		
Precast Struct. Members	1.11	Submittal of design calculations for review by the SER.	N					
Erection of Precast Members	1.12	Review the precast members for conformance w/ the approved shop drawings.	N					

### SCHEDULE OF SPECIAL INSPECTIONS

MATERIAL/ ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT			Agency Required Qualifications	AGENT #	DATE COMPLETED	REV #
			Y/N	EXTENT & FREQUENCY					
1704.5 MASONRY CONST.	Mortar	1.13	Review proportions of site prepared mortar (ACI 530)		Freq: Periodically				
	Mortar Joints	1.14	Review construction of mortar joints		Freq: Periodically				
	Masonry Elements	1.14	Verify size and location of structural elements	N	Freq: Periodically				
	Anchors & Anchorages	1.16	Verify anchors and anchorage per structural drawings	N	Freq: Periodically				
	Masonry Reinforcement	1.17	Verify size and grade of reinf.	N	Freq: Periodically				
	Protection of Masonry	1.18	Verify that adequate protection of the masonry is being maintained during cold weather construction	N	Freq: Periodically				
	Grout space and reinf	1.19	Verify that the grout space is clean and reinforcement placement is accurate.	N	Freq: Periodically				
	Grout Placement	1.20	Verify that conformance with the design documents	N	Freq: Continuous during task				
Masonry Shop Drawings	Grout Specimens	1.21	Verify specimens meet the project specifications	N	Freq: Continuous during task				
		1.22	Verify compliance with the Masonry shop drawings	N	Freq: Periodically				
1708.4 STRUCT. STEEL	Steel Fabrication	1.23	Submit Manuf. Cert. Mill Test Reports	N					
		1.24	Submit welders certification	N					
	Weld Inspection	1.25	Inspection of field welded conn's	N					
	Structural Steel	1.26	Review joint details for Compliance w/ approved const. document.	1.0	Perform a visual inspection on 50% of all joints.				

**SCHEDULE OF SPECIAL INSPECTIONS**

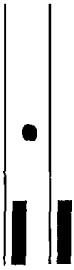
Project: YMCA INSTRUCTIONAL POOL RENOVATION (Level 1 Special Inspection per IBC 2003 Section 1708)

Page: 3 of 4

2/10/2006

MATERIAL/ ACTIVITY	ITEM	SERVICE	Y/N	APPLICABLE TO THIS PROJECT EXTENT & FREQUENCY	Agency Required Qualifications	AGENT #	DATE COMPLETED	REV #
1704.7 SOILS Site Preparation	1.27	Verify that the site has been prepared in compliance with the approved soils report.	N					
	1.28	Verify that the maximum fill lift is in compliance w/ the design documents, as well as, materials.	N					
	1.29	Verify that the in-place dry density is in compliance with the design drawings.	N					
LIGHT GAGE FRAMING Wall Studs	1.30	Review studs for material grade, zinc coating, plumbness and squareness in track as indicated on the approved shop drawings.	N					
	1.31	Review joists for material grade, zinc coating, spacing and special connections for conformance with approved shop drawings.	N					
	1.32	Review truss for material grade, gage zinc coating, spacing and special connections for conformance with approved shop drawings.	N					
MECHANICAL SYSTEMS	1.33	Review of the HVAC roof top unit anchorage and submit manufacturers certificate stating compliance with resisting the seismic load on the unit	N					





**L & L STRUCTURAL**  
ENGINEERING SERVICES, INC.

**Six Q Street**  
South Portland, ME 04106  
Phone: (207) 767-4830  
Fax: (207)799-5432

April 21, 2006

APR 24 2006

Randy Allred  
**Wright-Ryan Construction Inc.**  
10 Danforth Street  
Portland, Maine 04101

Subject: YMCA, Portland, Maine-Instructional Pool Retrofit

Dear Mr. Allred,

The design documents for the YMCA-Instructional Pool retrofit project (drawings S1 thru S3, dated 10/11/05) for the YMCA in Portland, Maine included the review of the existing structural components affected by the construction of the new pool structure. We understand that there is some question regarding the adequacy of the existing structure beneath the existing pool and the structure adjacent to the pool to support the new pool structure and surrounding pool deck respectively. The existing walls beneath the pool are adequate to support the new concrete "tank" structure in addition to the weight of the water in the pool. In fact, the compressive and shear stresses in the existing concrete walls beneath the pool are only slightly increased approximately 10% to 15% as a result of the additional weight of the new concrete "tank" structure. The new pool tank walls and the existing building walls on both sides of the pool and the end of the pool nearest to High Street adequately support the new surrounding concrete pool deck. The other end of the pool deck is supported on the new pool wall and the existing floor structure. The existing floor structure (concrete beams and concrete encased steel beams) indicated on the drawings to be exposed and reviewed by our office, as you know, have been addressed. The existing concrete encased steel beam is adequate to support the new concrete deck load in addition to the existing concrete deck along with the code stipulated 100 PSF live load for this area.

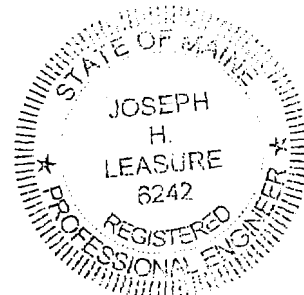
If you have any questions, or require any additional technical assistance, please do not hesitate to call

Sincerely,

**L&L Structural Engineering Services, Inc.**

Joseph H. Leasure, P.E.  
Principal

cc Mike Nugent, Code Enforcement Officer, City of Portland, Maine





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

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

<b>Permit No:</b> 06-0312	<b>Date Applied For:</b> 03/08/2006	<b>CBL:</b> 036 G023001
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<b>Location of Construction:</b> 217 High St	<b>Owner Name:</b> Cumberland County Ymca	<b>Owner Address:</b> 70 Forest Ave	<b>Phone:</b> 207-874-1111
<b>Business Name:</b> n/a	<b>Contractor Name:</b> WRIGHT RYAN CONSTRUCT10	<b>Contractor Address:</b> 10 DANFORTH STREET Portland	<b>Phone:</b> (207) 773-3625
<b>Lessee/Buyer's Name:</b> n/a	<b>Phone:</b> n/a	<b>Permit Type:</b> Amendment to Commercial	

YMCA ; Interior Renovations / Amendment to permit # 050861 Phase 2.	Interior Renovations / Amendment to permit # 050861 Phase 2. - reno. of instructional pool, men's locker room, family center room
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**Dept:** Zoning      **Status:** Approved with Conditions      **Reviewer:** Marge Schmuckal      **Approval Date:** 03/14/2006

**Note:** **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) Separate permits shall be required for any new signage.
- 3) all previous conditions are still in force.

**Dept:** Building      **Status:** Pending      **Reviewer:** \_\_\_\_\_      **Approval Date:** \_\_\_\_\_

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

**Dept:** Fire      **Status:** Approved      **Reviewer:** Cptn Greg Cass      **Approval Date:** 04/11/2006

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

**Comments:**

3/9/2006-ldobson: Per MJN this needs a zoning review. Lannie

4/14/2006-mjn: Spoke w/ Randy from W/R plans need to be stamped, statement of Special Inspections need seismic quality assurance plan and a statement from the project engineer that the existing pool and supports is capable of carrying the weight from the modifications .